

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061016\  
 Data File : BF087881.D  
 Acq On : 10 Jun 2016 18:23  
 Operator : UM/SJ  
 Sample : H3356-01MS  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 U5-B2(0-10)CMS

Manual Integrations  
 APPROVED

SOHIL  
 6/13/2016 7:11:08 PM

Quant Time: Jun 10 19:20:17 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 07 18:51:55 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.81  | 152  | 119623   | 20.00 | ng    | -0.03    |
| 21) Naphthalene-d8        | 8.10  | 136  | 488005   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 9.85  | 164  | 200820   | 20.00 | ng    | -0.03    |
| 63) Phenanthrene-d10      | 11.32 | 188  | 297492   | 20.00 | ng    | -0.03    |
| 75) Chrysene-d12          | 13.95 | 240  | 225901   | 20.00 | ng    | -0.03    |
| 86) Perylene-d12          | 15.36 | 264  | 218879   | 20.00 | ng    | -0.03    |

## System Monitoring Compounds

|                          |       |     |        |       |    |       |
|--------------------------|-------|-----|--------|-------|----|-------|
| 5) 2-Fluorophenol        | 5.42  | 112 | 678577 | 96.98 | ng | -0.01 |
| 7) Phenol-d6             | 6.46  | 99  | 824931 | 97.28 | ng | -0.02 |
| 23) Nitrobenzene-d5      | 7.38  | 82  | 527070 | 63.07 | ng | -0.03 |
| 41) 2,4,6-Tribromophenol | 10.64 | 330 | 177513 | 83.72 | ng | -0.03 |
| 44) 2-Fluorobiphenyl     | 9.18  | 172 | 807287 | 61.63 | ng | -0.03 |
| 78) Terphenyl-d14        | 12.91 | 244 | 759729 | 76.53 | ng | -0.03 |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.42 | 88  | 81291   | 23.91 | ng | # 30   |
| 3) Pyridine                    | 3.14 | 79  | 242080  | 30.15 | ng | 96     |
| 4) n-Nitrosodimethylamine      | 3.07 | 42  | 108350  | 31.87 | ng | 91     |
| 6) Aniline                     | 6.47 | 93  | 208127  | 17.24 | ng | # 1    |
| 8) 2-Chlorophenol              | 6.60 | 128 | 275107  | 33.22 | ng | # 79   |
| 9) Benzaldehyde                | 6.35 | 77  | 19142   | 3.10  | ng | 94     |
| 10) Phenol                     | 6.47 | 94  | 334730  | 37.83 | ng | 86     |
| 11) bis(2-Chloroethyl)ether    | 6.56 | 93  | 262544  | 35.31 | ng | # 81   |
| 12) 1,3-Dichlorobenzene        | 6.75 | 146 | 288253  | 32.44 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 6.83 | 146 | 308288  | 34.44 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 6.98 | 146 | 261939m | 32.18 | ng |        |
| 15) Benzyl Alcohol             | 6.96 | 79  | 209944  | 31.64 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.10 | 45  | 332051  | 33.05 | ng | 96     |
| 17) 2-Methylphenol             | 7.07 | 107 | 227579  | 33.88 | ng | 99     |
| 18) Hexachloroethane           | 7.32 | 117 | 90560   | 28.51 | ng | # 85   |
| 19) n-Nitroso-di-n-propylamine | 7.23 | 70  | 165332  | 30.48 | ng | 93     |
| 20) 3+4-Methylphenols          | 7.23 | 107 | 279373  | 35.65 | ng | 90     |
| 22) Acetophenone               | 7.23 | 105 | 377418  | 34.61 | ng | # 92   |
| 24) Nitrobenzene               | 7.40 | 77  | 314164  | 38.81 | ng | 98     |
| 25) Isophorone                 | 7.64 | 82  | 500109  | 32.31 | ng | 96     |
| 26) 2-Nitrophenol              | 7.71 | 139 | 140006  | 32.29 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 7.76 | 122 | 241039  | 30.19 | ng | 95     |
| 28) bis(2-Chloroethoxy)methane | 7.86 | 93  | 317964  | 33.12 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.96 | 162 | 248226  | 37.24 | ng | 93     |
| 30) 1,2,4-Trichlorobenzene     | 8.04 | 180 | 243908  | 33.60 | ng | 100    |
| 31) Naphthalene                | 8.12 | 128 | 823775  | 34.11 | ng | 99     |
| 32) Benzoic acid               | 7.82 | 122 | 11850   | 2.70  | ng | 96     |
| 33) 4-Chloroaniline            | 8.17 | 127 | 109984  | 10.20 | ng | 97     |
| 34) Hexachlorobutadiene        | 8.25 | 225 | 125345  | 32.74 | ng | 99     |
| 35) Caprolactam                | 8.54 | 113 | 77275m  | 35.00 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.66 | 107 | 244042  | 34.23 | ng | 92     |
| 37) 2-Methylnaphthalene        | 8.81 | 142 | 463628m | 29.13 | ng |        |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.98 | 216 | 225566  | 42.28 | ng | # 1    |
| 40) Hexachlorocyclopentadiene  | 8.97 | 237 | 36114   | 11.15 | ng | 98     |

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061016\  
 Data File : BF087881.D  
 Acq On : 10 Jun 2016 18:23  
 Operator : UM/SJ  
 Sample : H3356-01MS  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 U5-B2(0-10)CMS

Manual Integrations  
 APPROVED

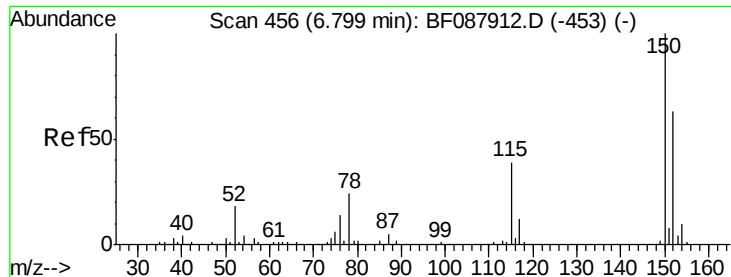
SOHIL  
 6/13/2016 7:11:08 PM

Quant Time: Jun 10 19:20:17 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 07 18:51:55 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.10  | 196  | 149936   | 37.33 | nq    | 100      |
| 43) 2,4,5-Trichlorophenol      | 9.14  | 196  | 150976   | 36.13 | nq #  | 91       |
| 45) 1,1'-Biphenyl              | 9.28  | 154  | 612568   | 39.94 | nq    | 97       |
| 46) 2-Chloronaphthalene        | 9.30  | 162  | 471151   | 36.26 | nq    | 96       |
| 47) 2-Nitroaniline             | 9.39  | 65   | 130648   | 34.08 | nq    | 93       |
| 48) Acenaphthylene             | 9.71  | 152  | 673459   | 32.58 | nq    | 99       |
| 49) Dimethylphthalate          | 9.58  | 163  | 752236   | 51.71 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.64  | 165  | 120578   | 36.19 | nq #  | 78       |
| 51) Acenaphthene               | 9.88  | 154  | 404993   | 31.41 | nq    | 99       |
| 52) 3-Nitroaniline             | 9.80  | 138  | 104951   | 27.30 | nq    | 84       |
| 53) 2,4-Dinitrophenol          | 9.91  | 184  | 21806    | 17.00 | nq #  | 88       |
| 54) Dibenzofuran               | 10.06 | 168  | 603846   | 34.00 | nq    | 94       |
| 55) 4-Nitrophenol              | 9.98  | 139  | 232776   | 78.02 | nq #  | 62       |
| 56) 2,4-Dinitrotoluene         | 10.04 | 165  | 168776   | 39.42 | nq    | 95       |
| 57) Fluorene                   | 10.40 | 166  | 478216   | 39.23 | nq    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.17 | 232  | 111301   | 33.90 | nq #  | 53       |
| 59) Diethylphthalate           | 10.27 | 149  | 519768   | 35.30 | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.39 | 204  | 190767   | 32.30 | nq    | 95       |
| 61) 4-Nitroaniline             | 10.41 | 138  | 108334   | 29.71 | nq    | 95       |
| 62) Azobenzene                 | 10.55 | 77   | 479862   | 32.95 | nq    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 10.44 | 198  | 29196    | 17.17 | nq #  | 70       |
| 65) n-Nitrosodiphenylamine     | 10.51 | 169  | 463289   | 46.93 | nq    | 100      |
| 66) 4-Bromophenyl-phenylether  | 10.88 | 248  | 138989   | 43.55 | nq    | 95       |
| 67) Hexachlorobenzene          | 10.95 | 284  | 138241   | 41.69 | nq #  | 73       |
| 68) Atrazine                   | 11.04 | 200  | 137931   | 46.14 | nq    | 94       |
| 69) Pentachlorophenol          | 11.14 | 266  | 155132   | 88.75 | nq    | 99       |
| 70) Phenanthrene               | 11.35 | 178  | 658345   | 42.17 | nq    | 100      |
| 71) Anthracene                 | 11.40 | 178  | 646818   | 41.08 | nq    | 100      |
| 72) Carbazole                  | 11.56 | 167  | 652029   | 44.25 | nq #  | 96       |
| 73) Di-n-butylphthalate        | 11.90 | 149  | 845642   | 45.33 | nq    | 100      |
| 74) Fluoranthene               | 12.54 | 202  | 646111   | 39.22 | nq    | 99       |
| 76) Benzidine                  | 12.66 | 184  | 234439   | 37.48 | nq    | 97       |
| 77) Pyrene                     | 12.77 | 202  | 729898   | 43.54 | nq    | 100      |
| 79) Butylbenzylphthalate       | 13.38 | 149  | 315544   | 42.58 | nq #  | 82       |
| 80) Benzo(a)anthracene         | 13.94 | 228  | 620019   | 48.16 | nq    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 13.91 | 252  | 150768   | 43.55 | nq #  | 95       |
| 82) Chrysene                   | 13.99 | 228  | 644471   | 53.21 | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 13.94 | 149  | 468173   | 51.89 | nq    | 98       |
| 84) Di-n-octyl phthalate       | 14.56 | 149  | 863431   | 58.90 | nq #  | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 16.73 | 276  | 487071   | 43.29 | nq #  | 100      |
| 87) Benzo(b)fluoranthene       | 14.96 | 252  | 710190m  | 46.55 | nq    |          |
| 88) Benzo(k)fluoranthene       | 14.99 | 252  | 437781m  | 38.04 | nq    |          |
| 89) Benzo(a)pyrene             | 15.30 | 252  | 537969   | 43.59 | nq    | 100      |
| 90) Dibenzo(a,h)anthracene     | 16.74 | 278  | 407823   | 35.58 | nq    | 100      |
| 91) Benzo(g,h,i)perylene       | 17.14 | 276  | 399085   | 33.84 | nq    | 96       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 457

Delta R.T. -0.03 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

Instrument :

BNA\_F

ClientSampleId :

U5-B2(0-10)CMS

Tot Ion:152 Resp: 119623

Ion Ratio Lower Upper

152 100

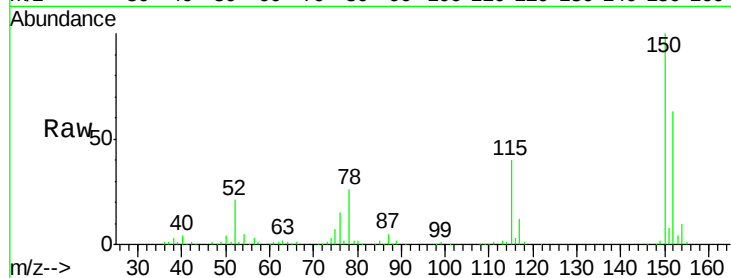
150 159.9 123.8 185.6

115 64.6 39.6 59.4#

Manual Integrations  
APPROVED

SOHIL

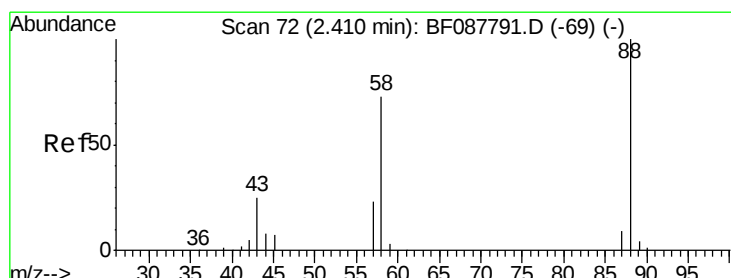
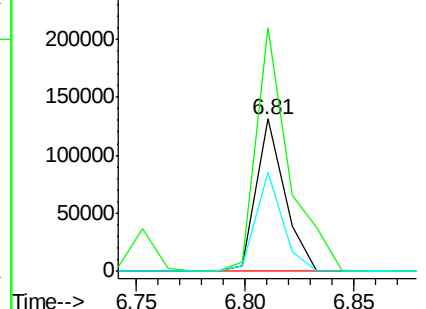
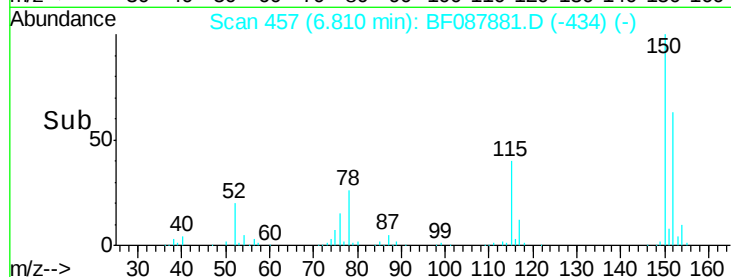
6/13/2016 7:11:08 PM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 23.91 ng

RT: 2.42 min Scan# 73

Delta R.T. 0.01 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

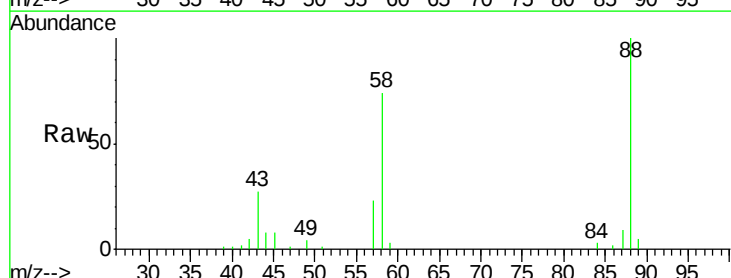
Tgt Ion: 88 Resp: 81291

Ion Ratio Lower Upper

88 100

58 77.7 0.0 0.0#

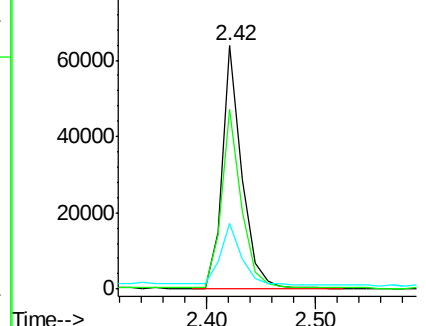
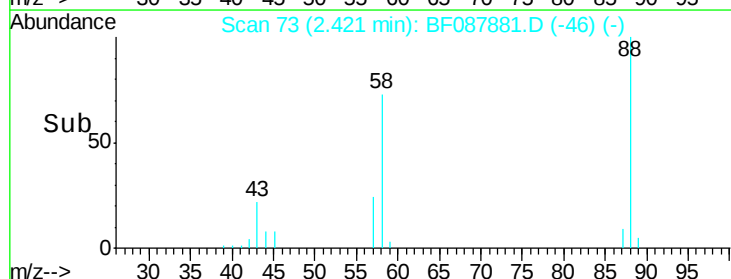
43 27.5 3.4 5.2#

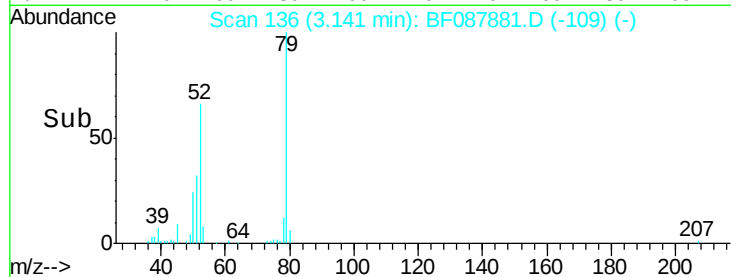
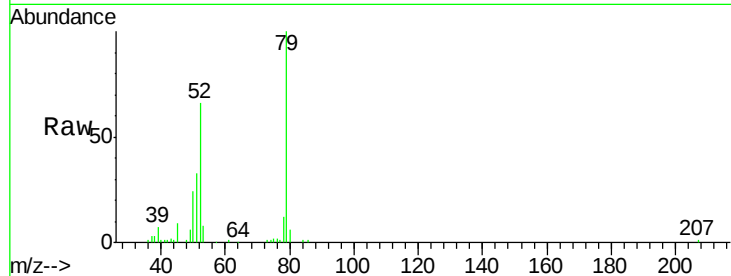
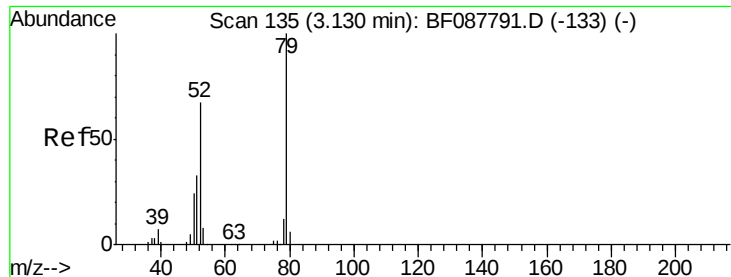


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





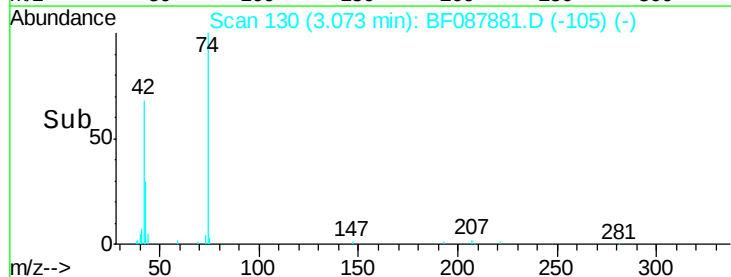
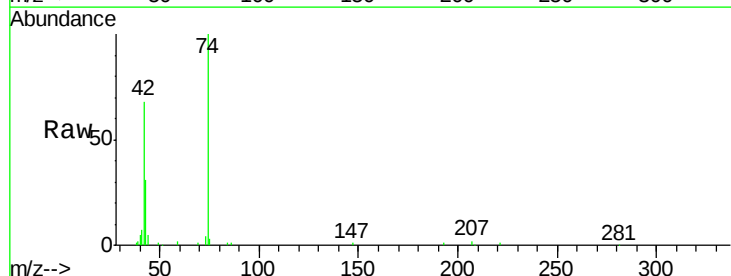
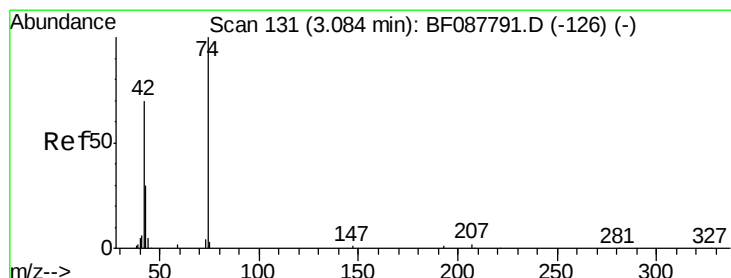
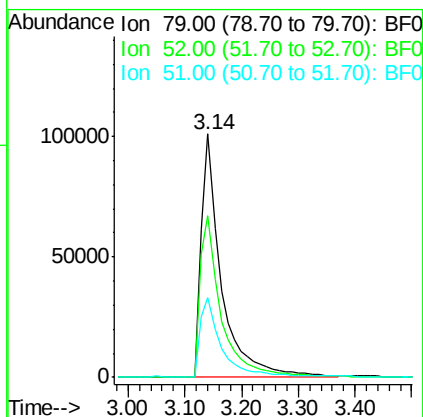
#3  
Pvridine  
Concen: 30.15 ng  
RT: 3.14 min Scan# 136  
Delta R.T. 0.01 min  
Lab File: BF087881.D  
Acq: 10 Jun 2016 18:23

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 79      | 100   |            |       |
| 52      | 66.5  | 56.3       | 84.5  |
| 51      | 32.8  | 27.4       | 41.2  |

Instrument :  
BNA\_F  
ClientSampleId :  
U5-B2(0-10)CMS

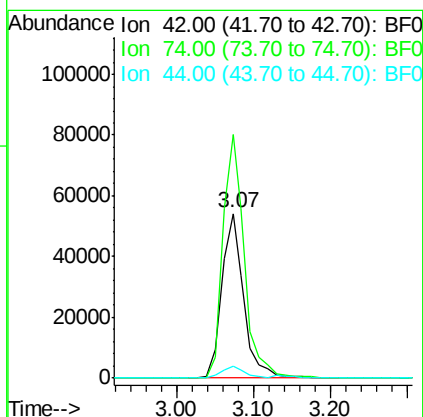
Manual Integrations  
APPROVED

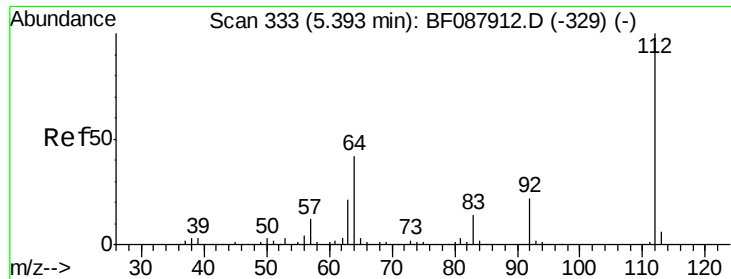
SOHIL  
6/13/2016 7:11:08 PM



#4  
n-Nitrosodimethylamine  
Concen: 31.87 ng  
RT: 3.07 min Scan# 130  
Delta R.T. -0.01 min  
Lab File: BF087881.D  
Acq: 10 Jun 2016 18:23

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 42      | 100   |            |       |
| 74      | 147.7 | 108.6      | 163.0 |
| 44      | 7.1   | 5.5        | 8.3   |





#5

2-Fluorophenol

Concen: 96.98 ng

RT: 5.42 min Scan# 335

Delta R.T. -0.01 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

Instrument :

BNA\_F

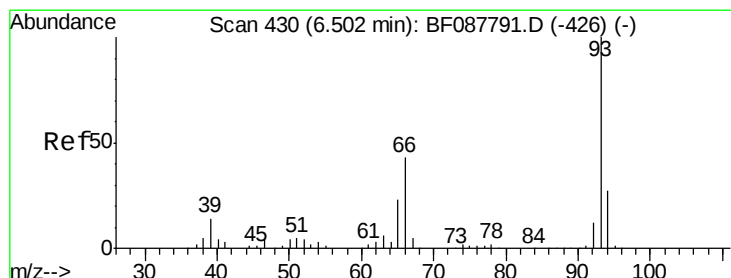
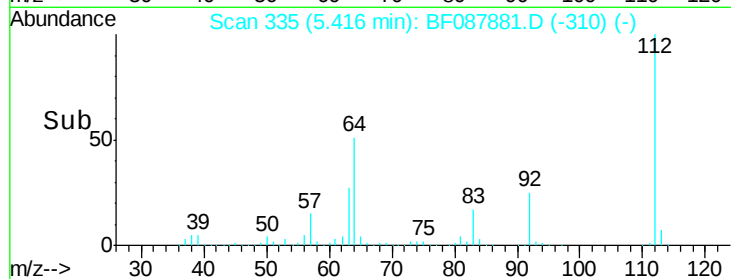
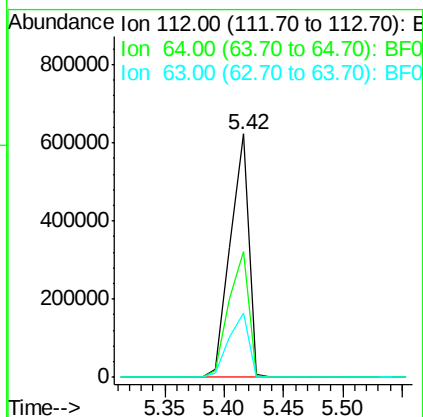
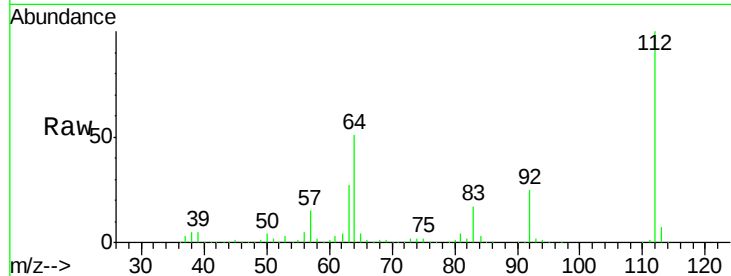
ClientSampleId :

U5-B2(0-10)CMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 678577 |       |       |
| 64      | 51.5  | 42.2   | 63.2  |       |
| 63      | 26.6  | 21.8   | 32.8  |       |

Manual Integrations  
APPROVED

SOHIL  
6/13/2016 7:11:08 PM



#6

Aniline

Concen: 17.24 ng

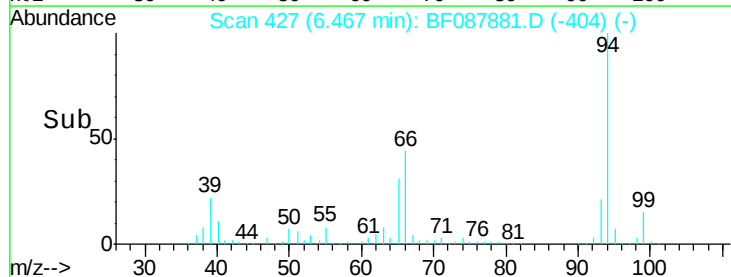
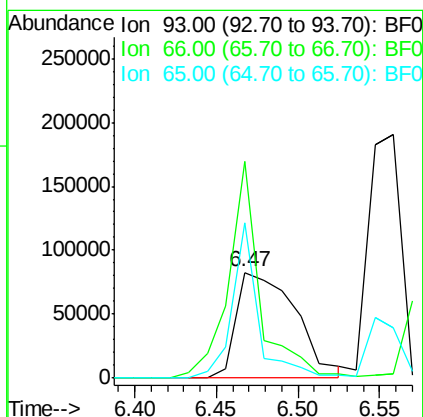
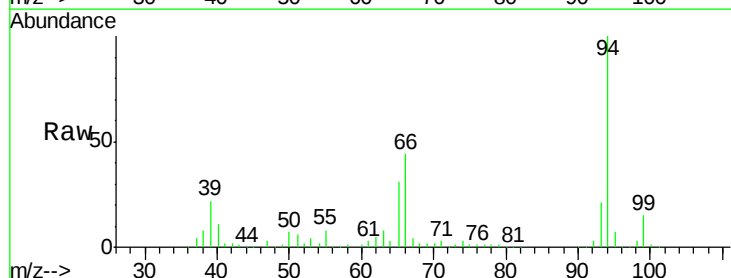
RT: 6.47 min Scan# 427

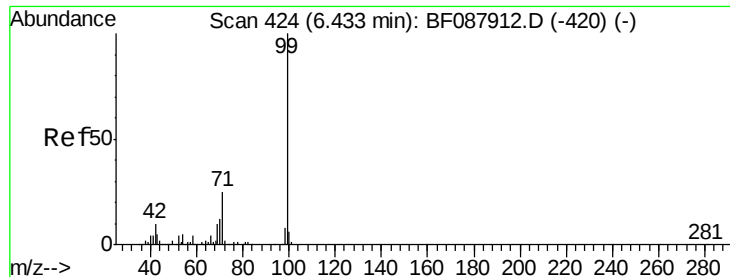
Delta R.T. -0.03 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 208127 |       |       |
| 66      | 205.7 | 29.8   | 44.8# |       |
| 65      | 147.7 | 14.9   | 22.3# |       |





#7

Phenol-d6

Concen: 97.28 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

Instrument :

BNA\_F

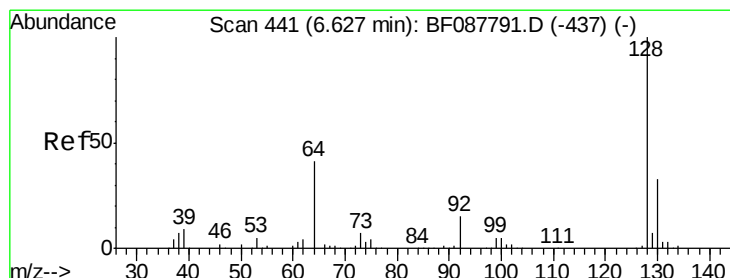
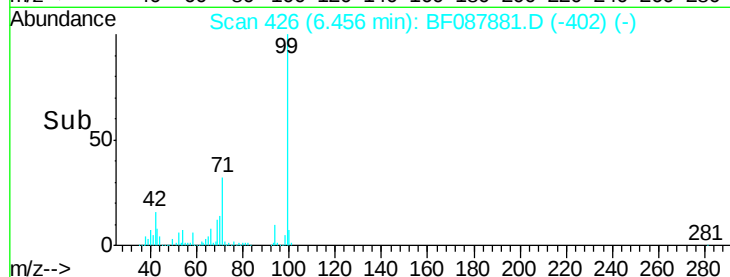
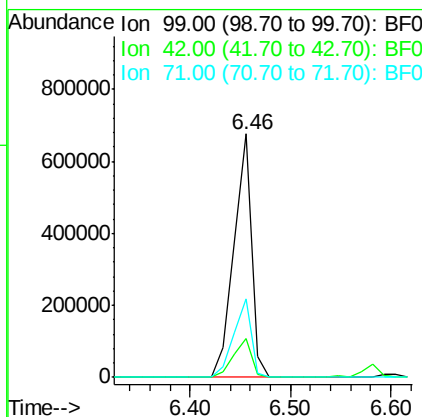
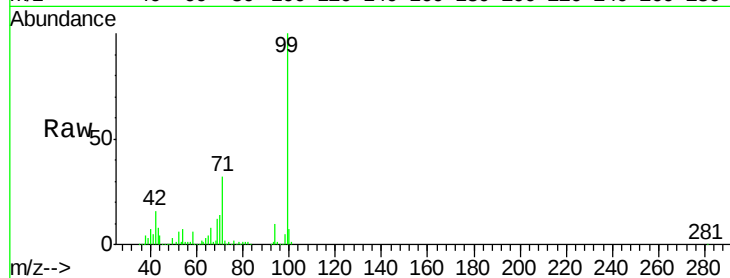
ClientSampleId :

U5-B2(0-10)CMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 824931 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 15.8  | 12.2  | 18.2   |
| 71        | 32.4  | 23.4  | 35.0   |

Manual Integrations  
APPROVED

SOHIL  
6/13/2016 7:11:08 PM



#8

2-Chlorophenol

Concen: 33.22 ng

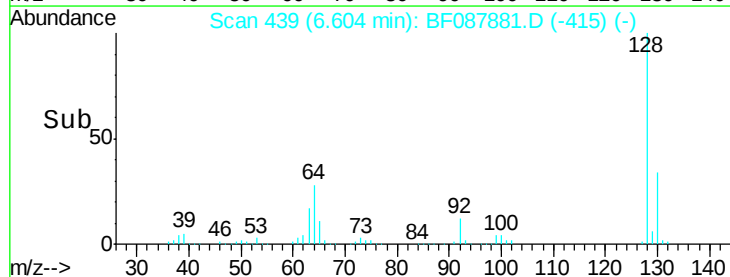
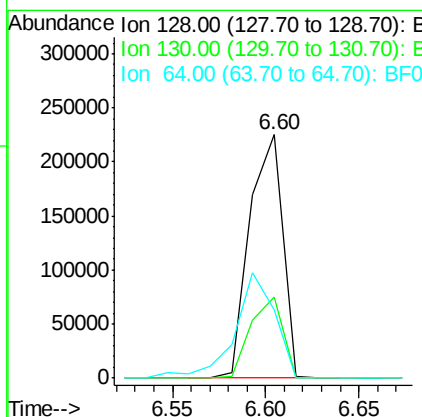
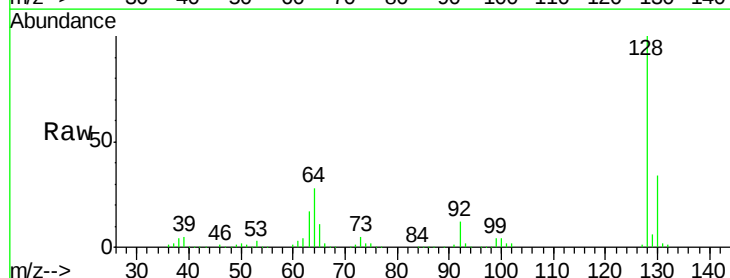
RT: 6.60 min Scan# 439

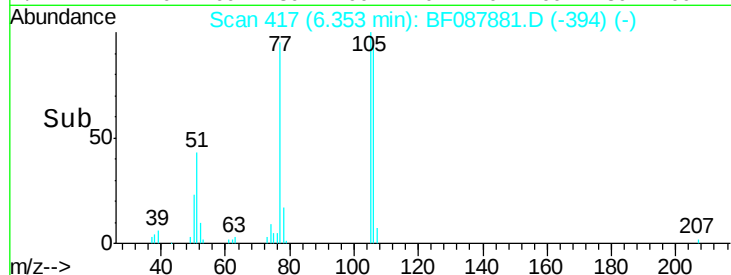
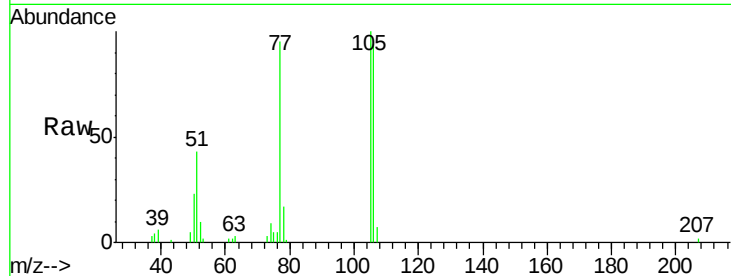
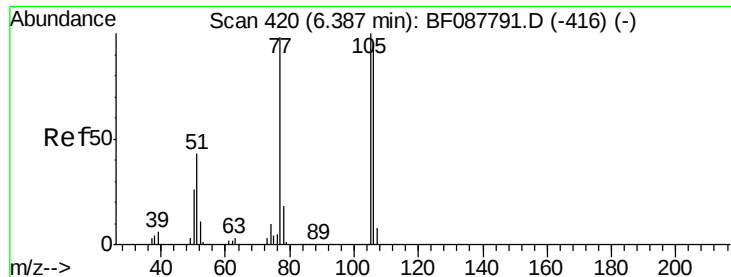
Delta R.T. -0.02 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 275107 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 33.5  | 12.0  | 52.0   |
| 64        | 28.1  | 30.8  | 70.8#  |





#9

Benzaldehyde

Concen: 3.10 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.03 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 77    | Resp: | 19142 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 105      | 104.9 | 90.6  | 130.6 |
| 106      | 98.5  | 85.3  | 125.3 |

Instrument :

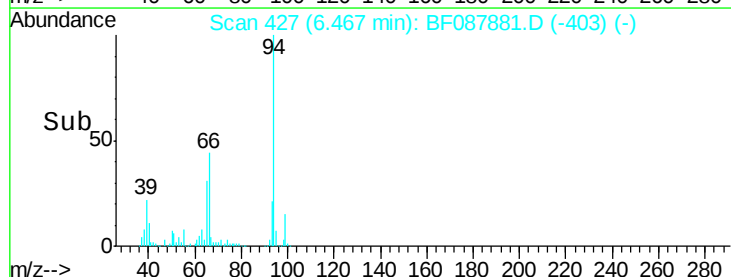
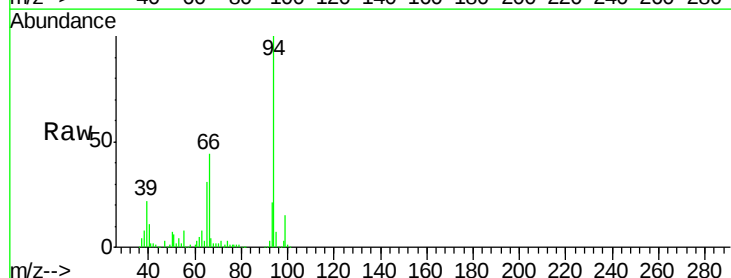
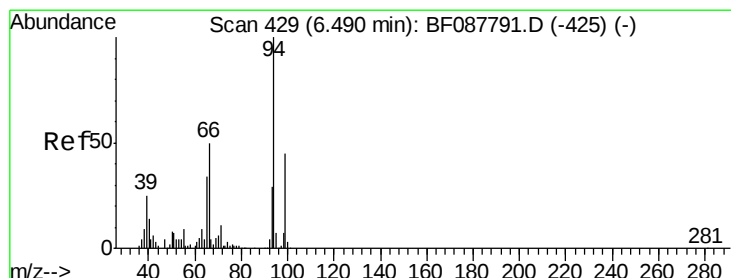
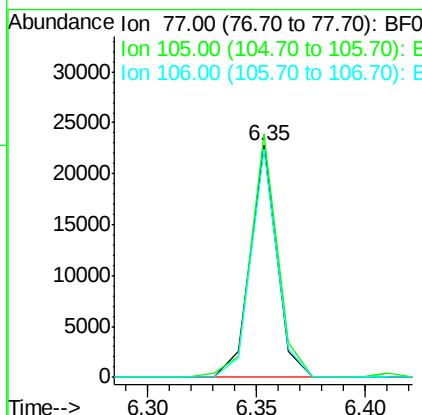
BNA\_F

ClientSampleId :

U5-B2(0-10)CMS

Manual Integrations  
APPROVED

SOHIL  
6/13/2016 7:11:08 PM



#10

Phenol

Concen: 37.83 ng

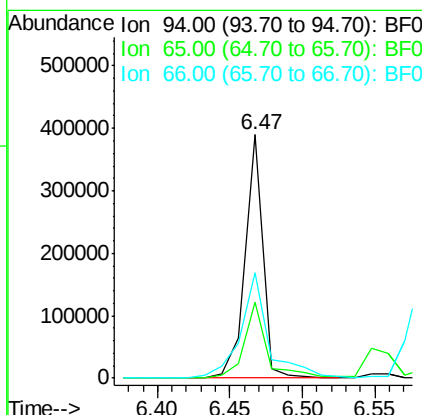
RT: 6.47 min Scan# 427

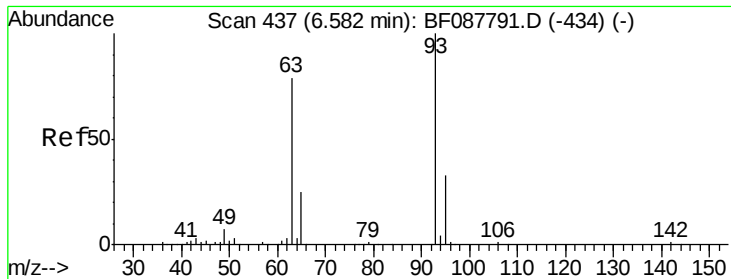
Delta R.T. -0.02 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 334730 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 31.2  | 5.9   | 45.9   |
| 66       | 43.5  | 14.0  | 54.0   |





#11

bis(2-Chloroethyl)ether

Concen: 35.31 ng

RT: 6.56 min Scan# 435

Delta R.T. -0.02 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

Instrument :

BNA\_F

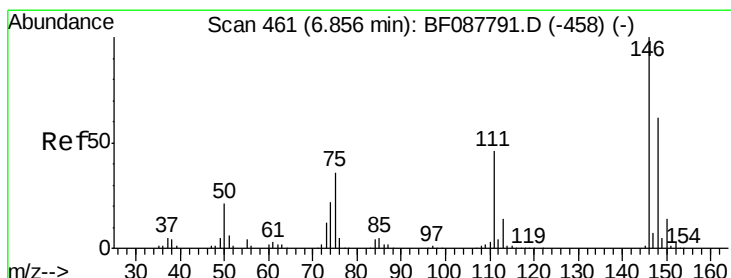
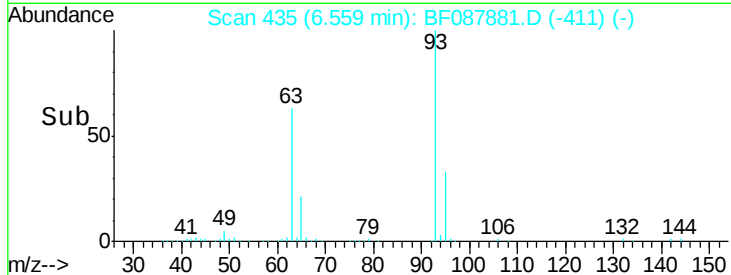
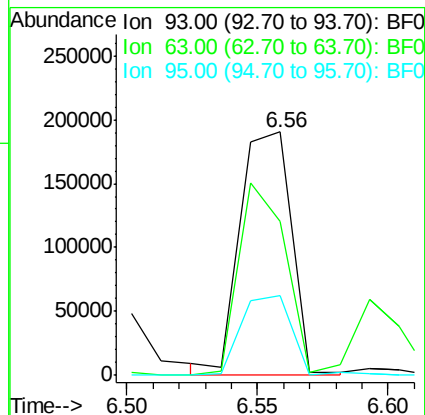
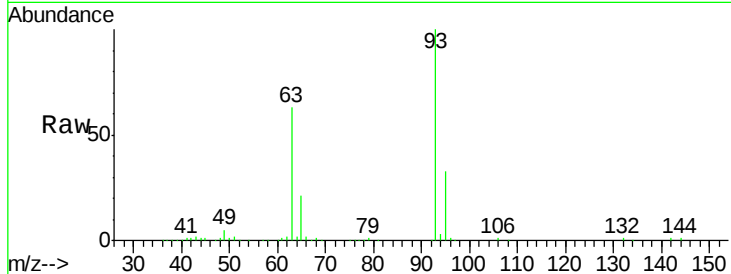
ClientSampleId :

U5-B2(0-10)CMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 93    | Resp: | 262544 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 63.3  | 67.6  | 107.6# |
| 95        | 32.8  | 12.5  | 52.5   |

Manual Integrations  
APPROVED

SOHIL  
6/13/2016 7:11:08 PM



#12

1,3-Dichlorobenzene

Concen: 32.44 ng

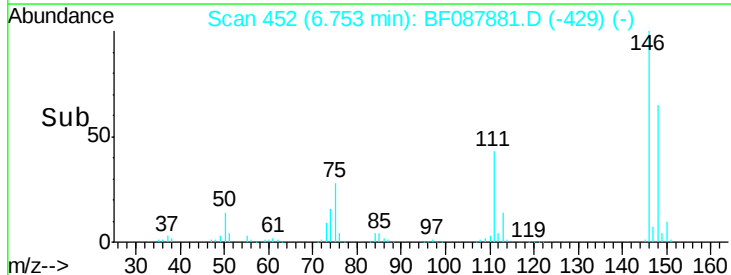
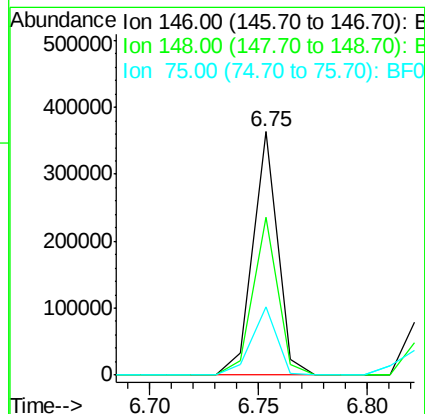
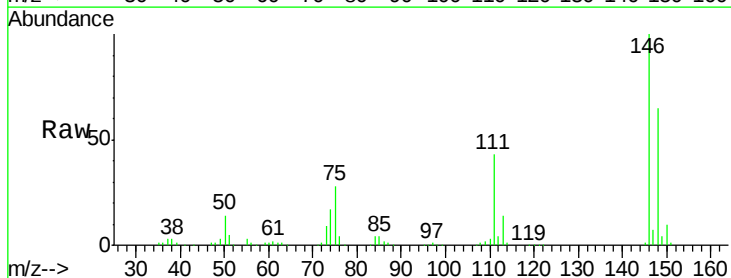
RT: 6.75 min Scan# 452

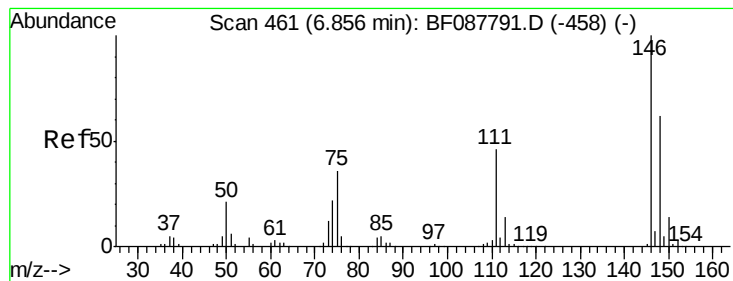
Delta R.T. -0.03 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 288253 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.9  | 50.9  | 76.3   |
| 75        | 28.0  | 25.6  | 38.4   |





#13

1,4-Dichlorobenzene

Concen: 34.44 ng

RT: 6.83 min Scan# 459

Delta R.T. -0.02 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

Instrument :

BNA\_F

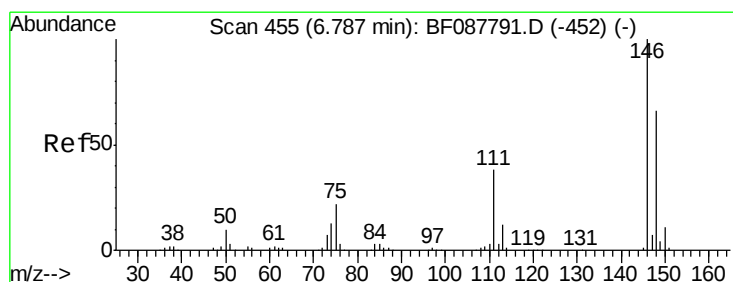
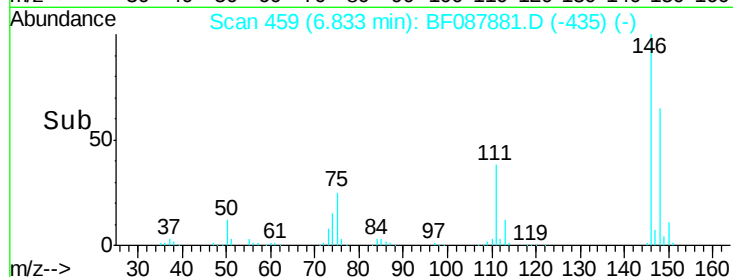
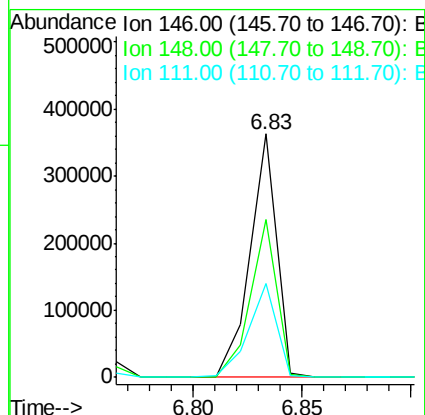
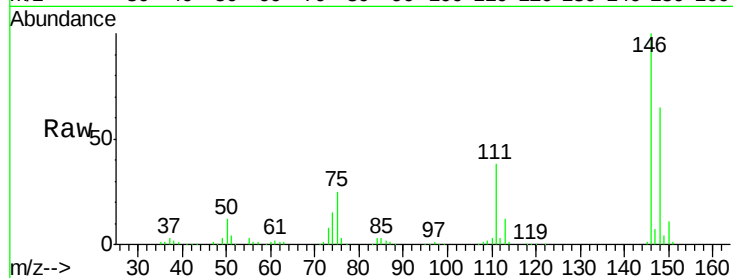
ClientSampleId :

U5-B2(0-10)CMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 308288 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.9  | 52.0  | 78.0   |
| 111       | 38.5  | 33.8  | 50.8   |

Manual Integrations  
APPROVED

SOHIL  
6/13/2016 7:11:08 PM



#14

1,2-Dichlorobenzene

Concen: 32.18 ng m

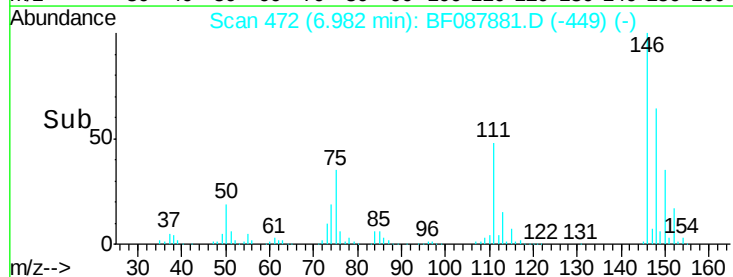
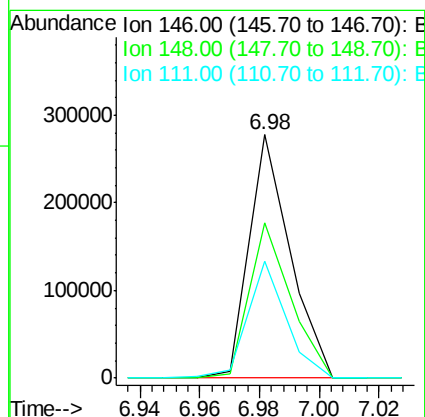
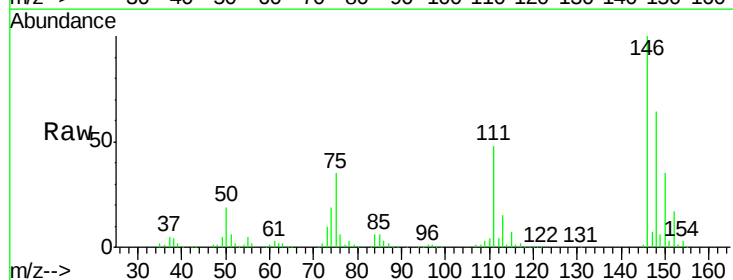
RT: 6.98 min Scan# 472

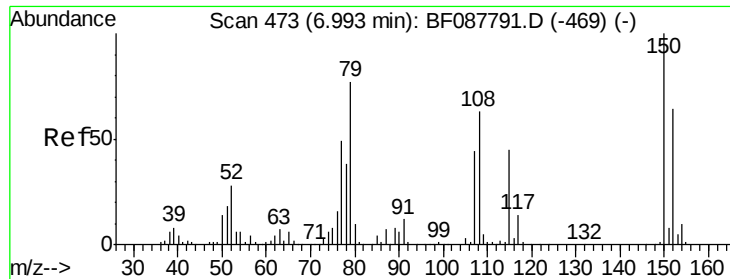
Delta R.T. -0.03 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 261939 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.8  | 52.3  | 78.5   |
| 111       | 48.1  | 28.7  | 43.1#  |





#15

Benzyl Alcohol

Concen: 31.64 ng

RT: 6.96 min Scan# 470

Delta R.T. -0.03 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

Instrument :

BNA\_F

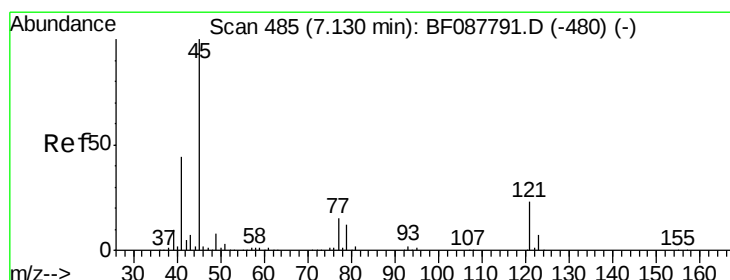
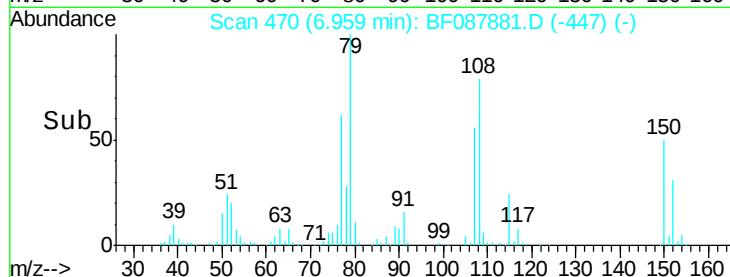
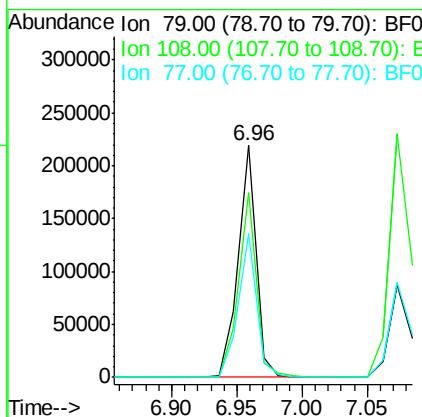
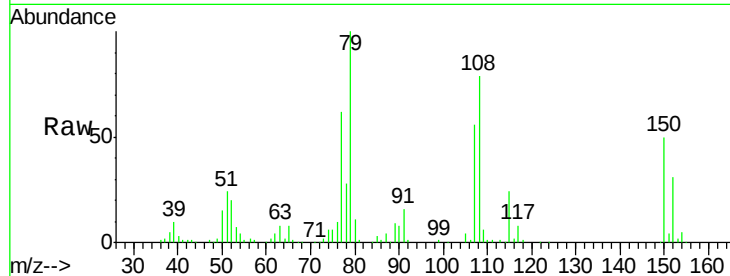
ClientSampleId :

U5-B2(0-10)CMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 209944 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 79.4  | 65.0  | 97.6   |
| 77        | 62.1  | 50.3  | 75.5   |

Manual Integrations  
APPROVED

SOHIL  
6/13/2016 7:11:08 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 33.05 ng

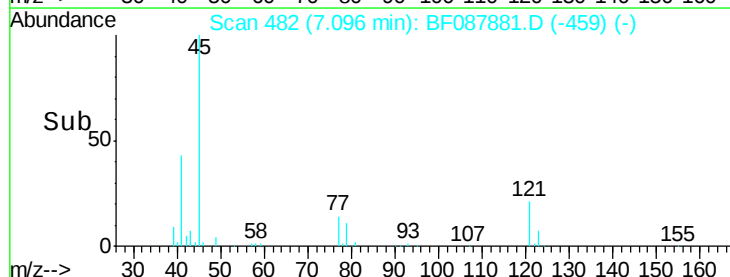
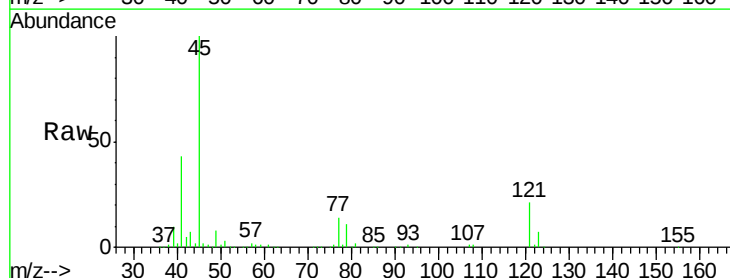
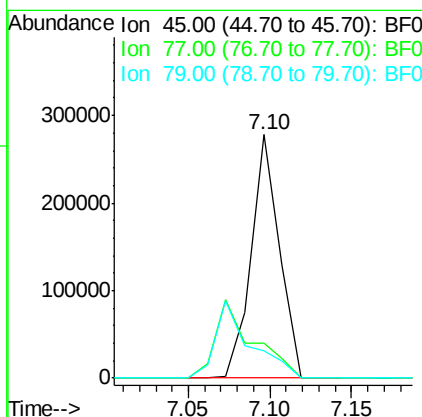
RT: 7.10 min Scan# 482

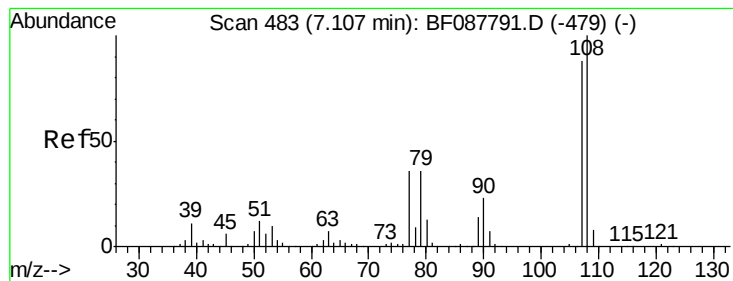
Delta R.T. -0.03 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 332051 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 14.3  | 0.0   | 32.5   |
| 79        | 11.0  | 0.0   | 29.5   |





#17

2-Methylphenol

Concen: 33.88 ng

RT: 7.07 min Scan# 480

Delta R.T. -0.03 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

Instrument :

BNA\_F

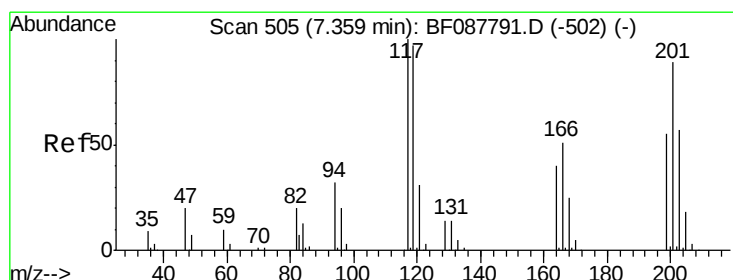
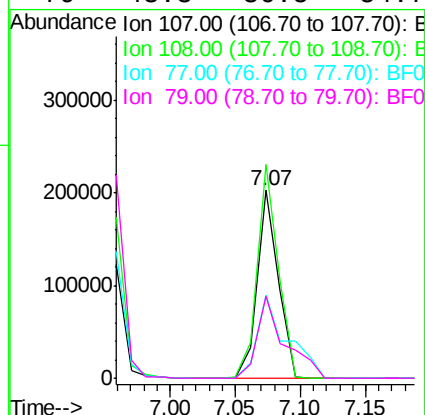
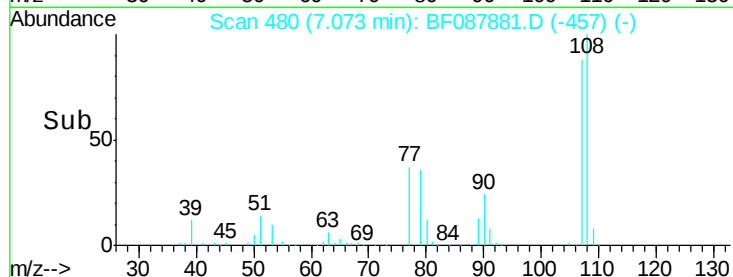
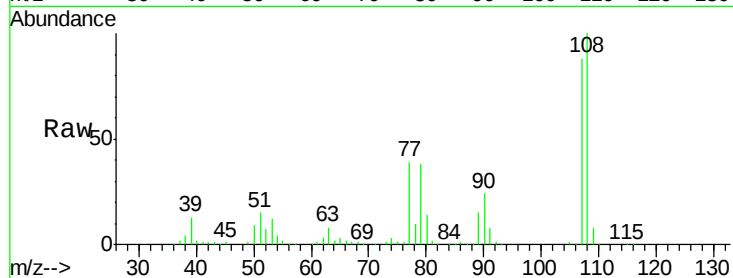
ClientSampleId :

U5-B2(0-10)CMS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 113.7 | 90.9 | 136.3 |       |
| 77      | 44.2  | 36.6 | 55.0  |       |
| 79      | 43.3  | 36.5 | 54.7  |       |

Manual Integrations  
APPROVED

SOHIL  
6/13/2016 7:11:08 PM



#18

Hexachloroethane

Concen: 28.51 ng

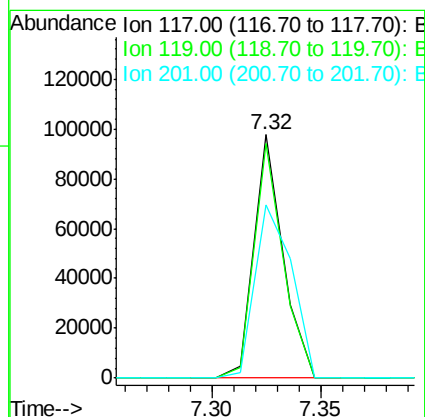
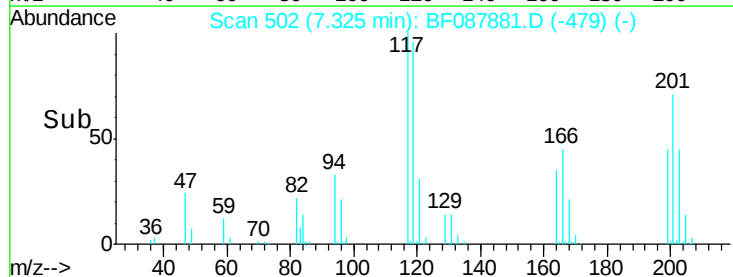
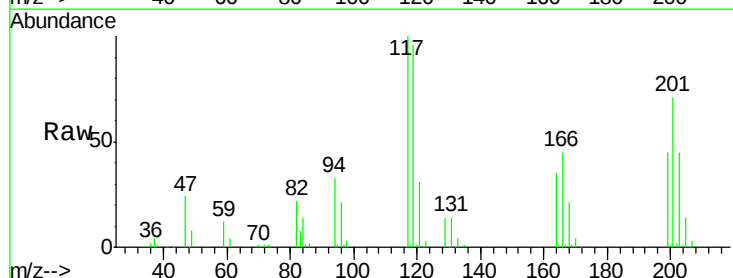
RT: 7.32 min Scan# 502

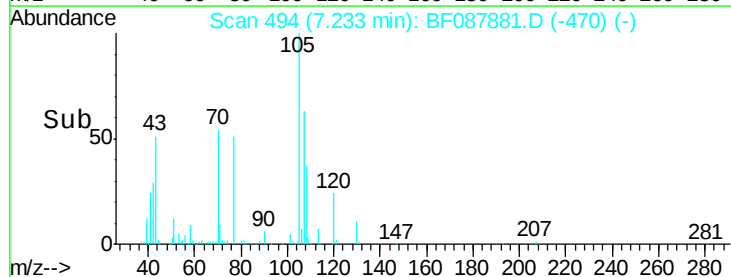
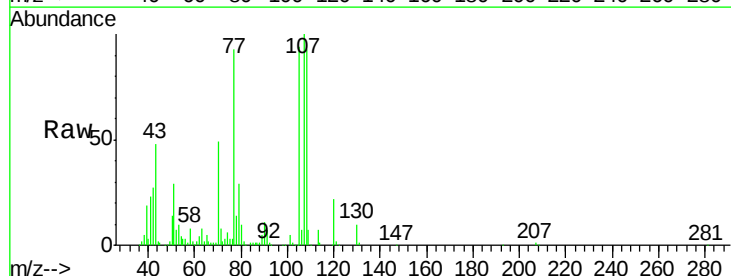
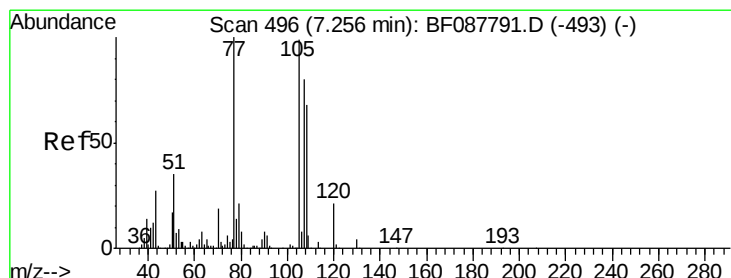
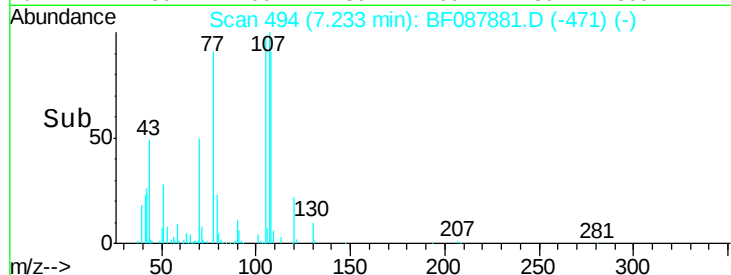
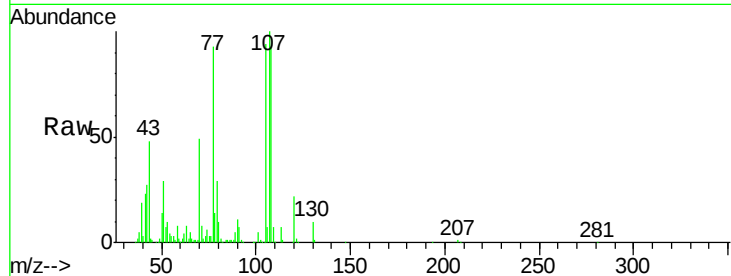
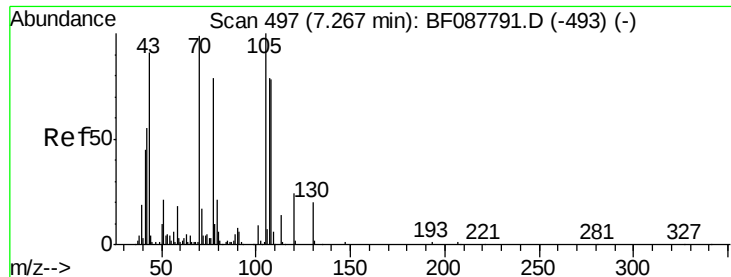
Delta R.T. -0.03 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 96.4  | 77.4 | 116.2 |       |
| 201     | 70.9  | 80.4 | 120.6 |       |





#19

n-Nitroso-di-n-propylamine

Concen: 30.48 ng

RT: 7.23 min Scan# 494

Delta R.T. -0.03 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

Instrument :

BNA\_F

ClientSampleId :

U5-B2(0-10)CMS

Tot Ion: 70 Resp: 165332

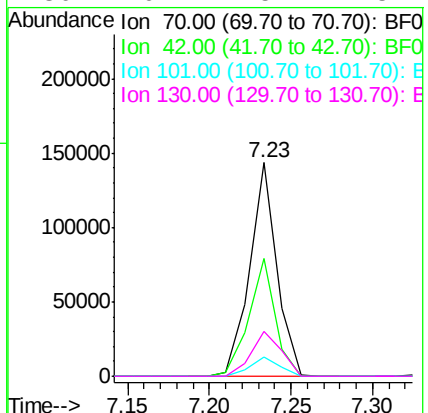
Ion Ratio Lower Upper

70 100

42 55.3 49.6 74.4

101 9.2 7.1 10.7

130 20.7 15.4 23.2



Manual Integrations  
APPROVED

SOHIL  
6/13/2016 7:11:08 PM

#20

3+4-Methylphenols

Concen: 35.65 ng

RT: 7.23 min Scan# 494

Delta R.T. -0.02 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

Tgt Ion: 107 Resp: 279373

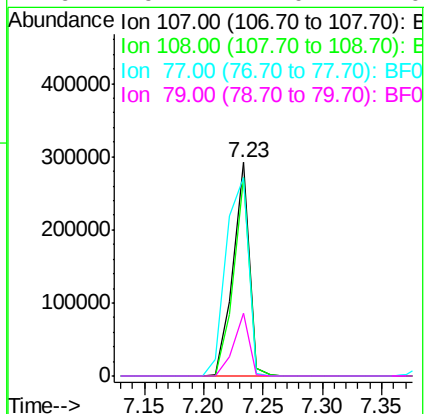
Ion Ratio Lower Upper

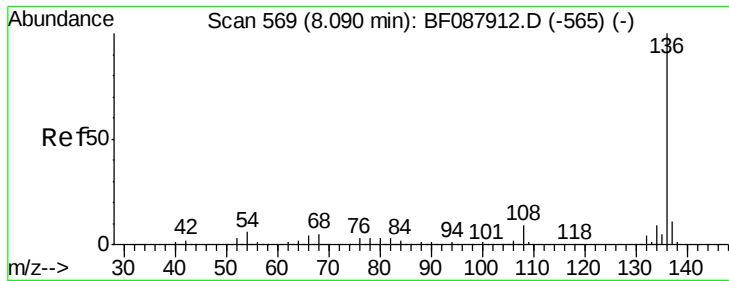
107 100

108 93.2 67.8 107.8

77 93.2 59.3 99.3

79 29.1 7.0 47.0





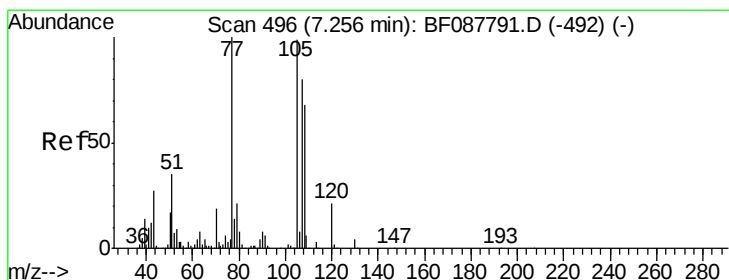
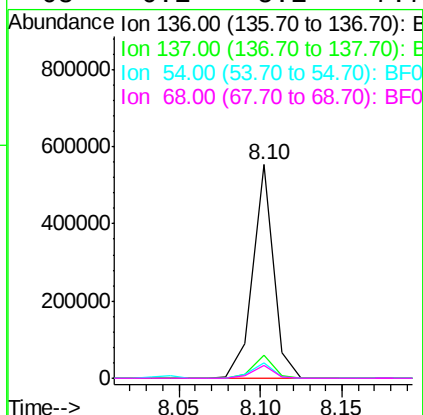
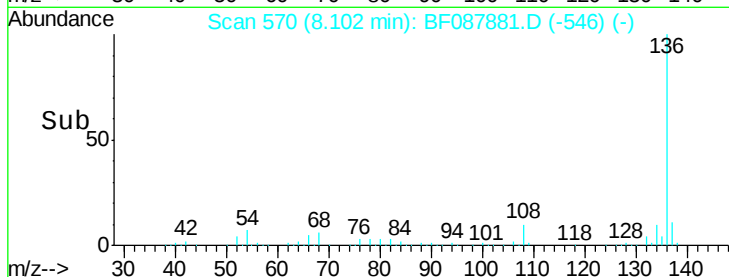
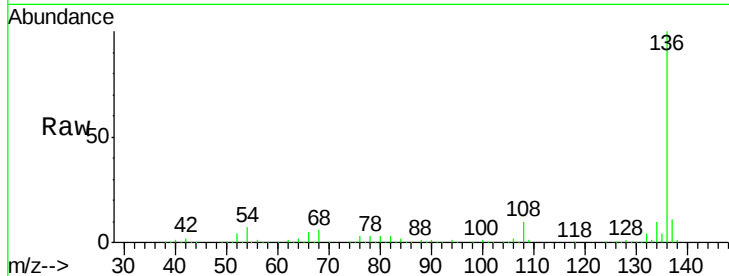
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.10 min Scan# 570  
Delta R.T. -0.02 min  
Lab File: BF087881.D  
Acq: 10 Jun 2016 18:23

Instrument :  
BNA\_F  
ClientSampleId :  
U5-B2(0-10)CMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 488005 |       |       |
| 137     | 11.1  |        | 9.1   | 13.7  |
| 54      | 7.3   |        | 6.6   | 10.0  |
| 68      | 6.1   |        | 5.1   | 7.7   |

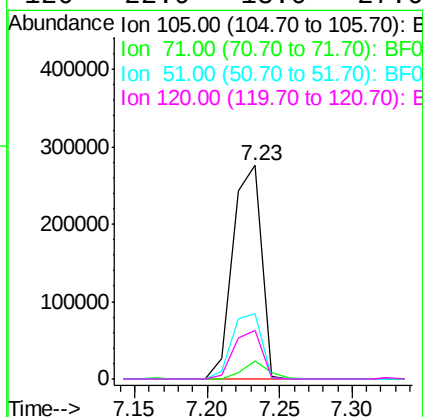
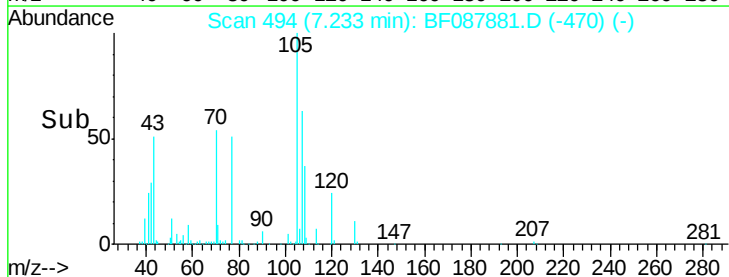
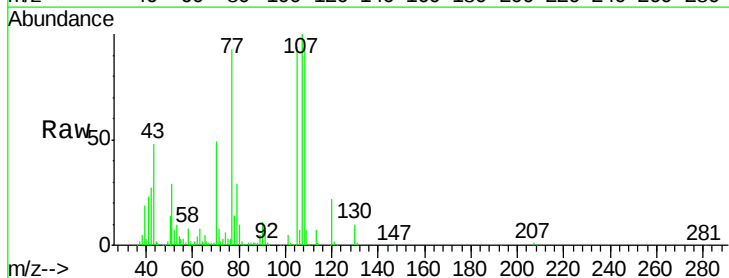
Manual Integrations  
APPROVED

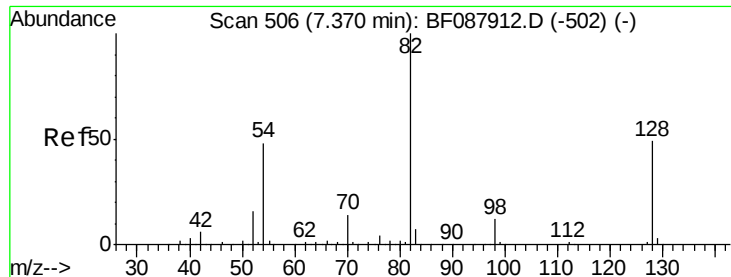
SOHIL  
6/13/2016 7:11:08 PM



#22  
Acetophenone  
Concen: 34.61 ng  
RT: 7.23 min Scan# 494  
Delta R.T. -0.02 min  
Lab File: BF087881.D  
Acq: 10 Jun 2016 18:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 377418 |       |       |
| 71      | 8.6   |        | 5.3   | 7.9#  |
| 51      | 30.8  |        | 18.2  | 27.4# |
| 120     | 22.9  |        | 18.0  | 27.0  |





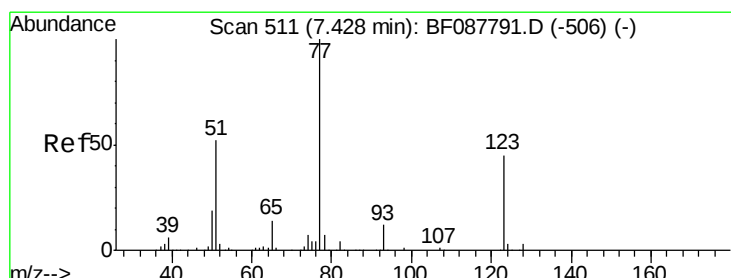
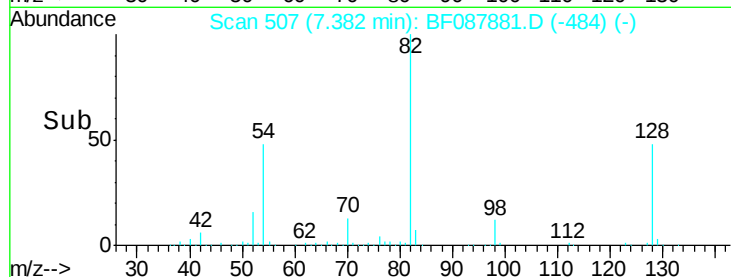
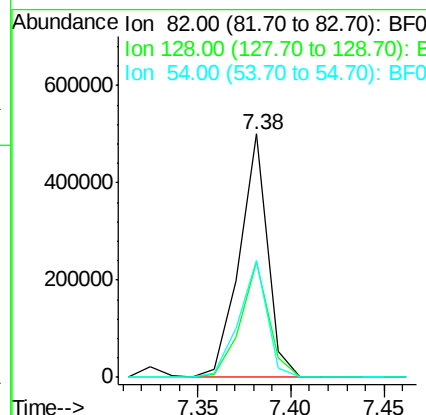
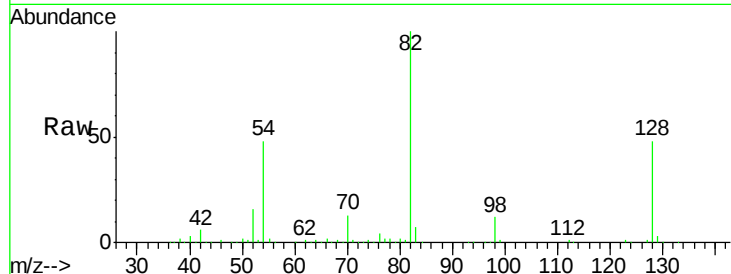
#23  
Nitrobenzene-d5  
Concen: 63.07 ng  
RT: 7.38 min Scan# 507  
Delta R.T. -0.03 min  
Lab File: BF087881.D  
Acq: 10 Jun 2016 18:23

Instrument :  
BNA\_F  
ClientSampleId :  
U5-B2(0-10)CMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 47.5  | 35.9  | 53.9  |
| 54      | 47.9  | 40.9  | 61.3  |

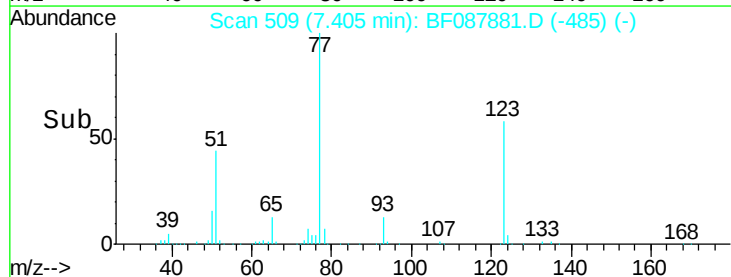
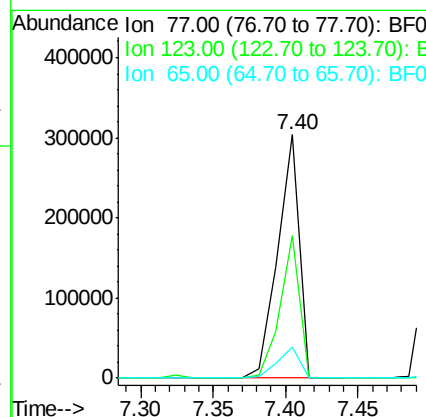
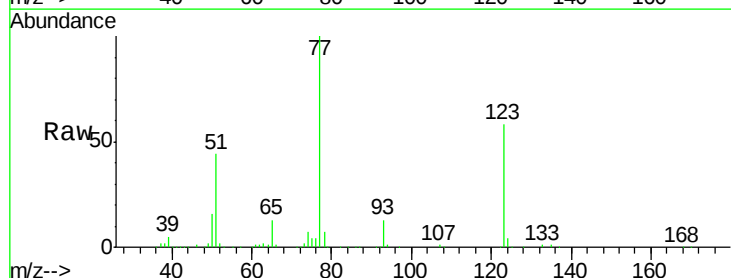
Manual Integrations  
APPROVED

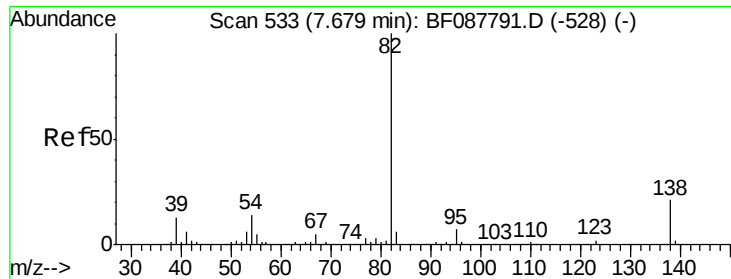
SOHIL  
6/13/2016 7:11:08 PM



#24  
Nitrobenzene  
Concen: 38.81 ng  
RT: 7.40 min Scan# 509  
Delta R.T. -0.02 min  
Lab File: BF087881.D  
Acq: 10 Jun 2016 18:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 58.3  | 45.0  | 67.4  |
| 65      | 12.7  | 10.2  | 15.2  |





#25

Isophorone

Concen: 32.31 ng

RT: 7.64 min Scan# 530

Delta R.T. -0.03 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

Instrument :

BNA\_F

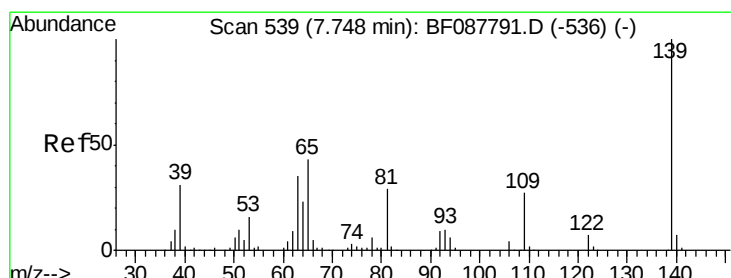
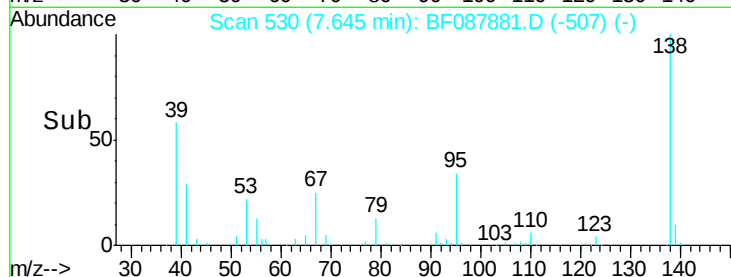
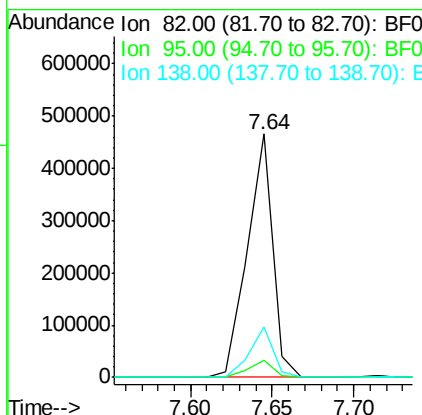
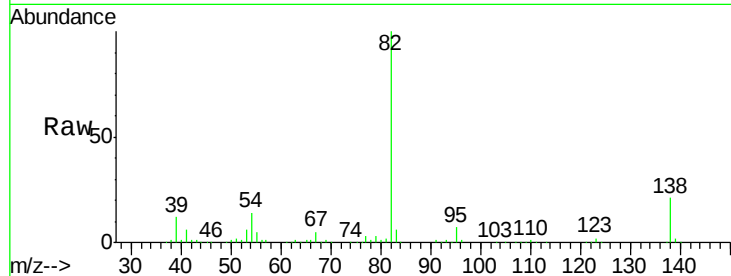
ClientSampleId :

U5-B2(0-10)CMS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 82   | Resp: | 500109 |
| Ion Ratio |      | Lower | Upper  |
| 82        | 100  |       |        |
| 95        | 7.0  | 5.4   | 8.2    |
| 138       | 20.7 | 14.6  | 21.8   |

Manual Integrations  
APPROVED

SOHIL  
6/13/2016 7:11:08 PM



#26

2-Nitrophenol

Concen: 32.29 ng

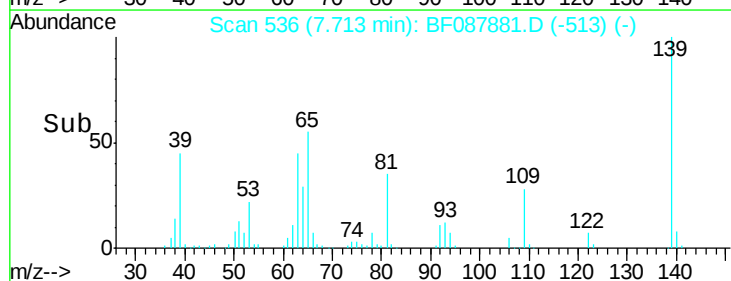
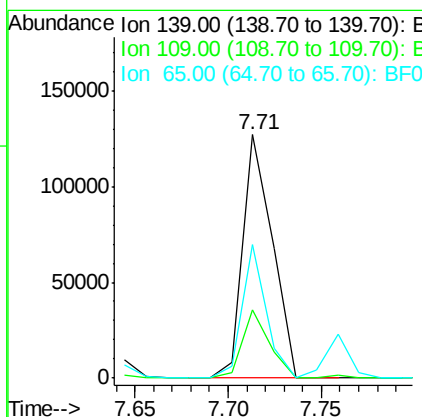
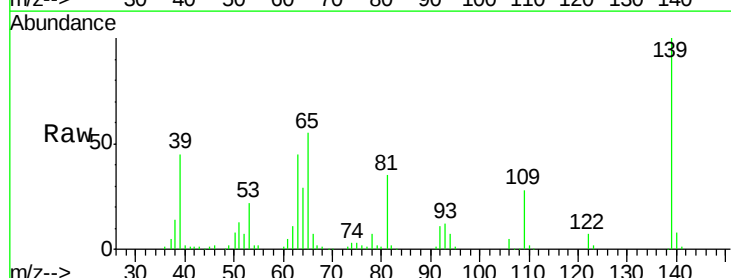
RT: 7.71 min Scan# 536

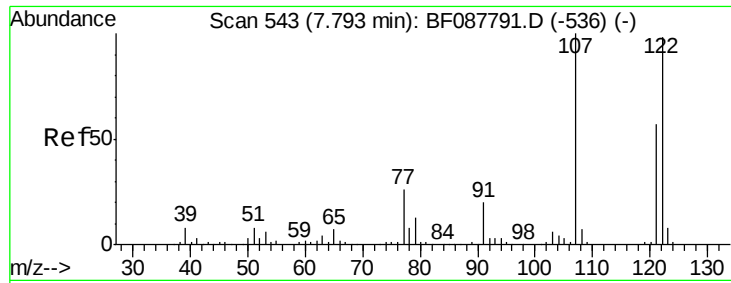
Delta R.T. -0.03 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 139  | Resp: | 140006 |
| Ion Ratio |      | Lower | Upper  |
| 139       | 100  |       |        |
| 109       | 28.3 | 23.0  | 34.4   |
| 65        | 54.8 | 45.8  | 68.8   |





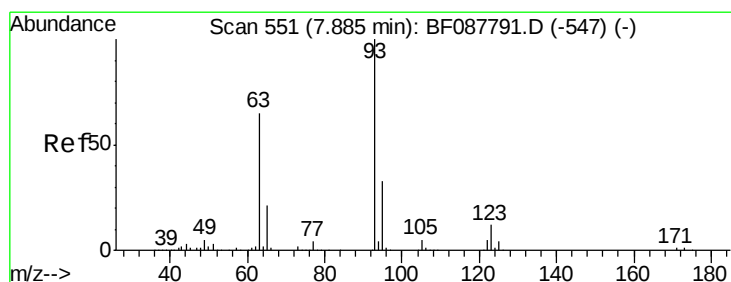
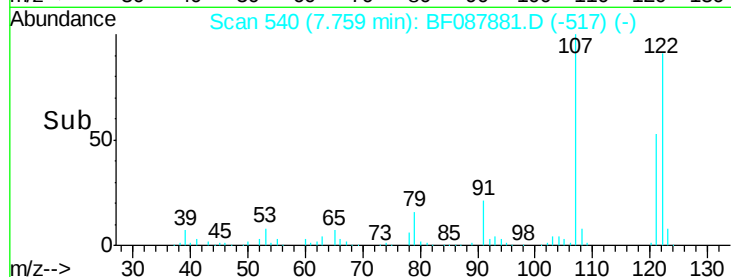
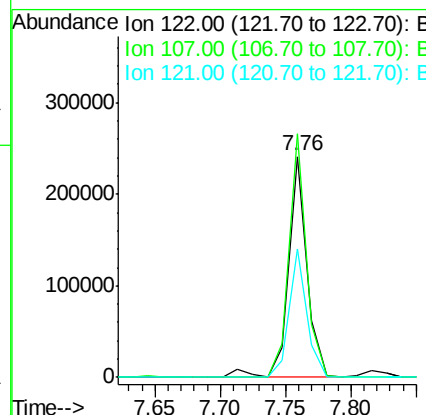
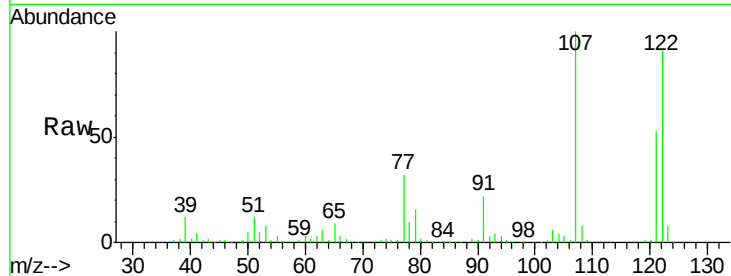
#27  
2,4-Dimethylphenol  
Concen: 30.19 ng  
RT: 7.76 min Scan# 540  
Delta R.T. -0.03 min  
Lab File: BF087881.D  
Acq: 10 Jun 2016 18:23

Instrument :  
BNA\_F  
ClientSampleId :  
U5-B2(0-10)CMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 241039 |       |       |
| 107     | 110.3 | 82.4   | 123.6 |       |
| 121     | 58.3  | 46.3   | 69.5  |       |

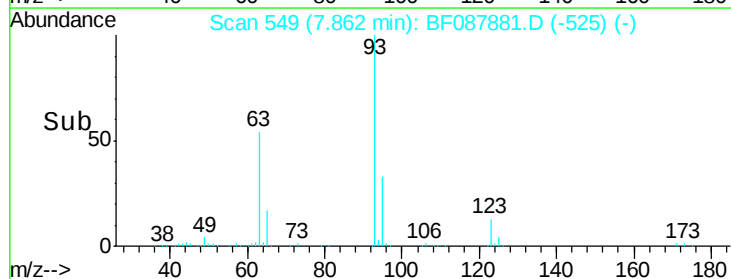
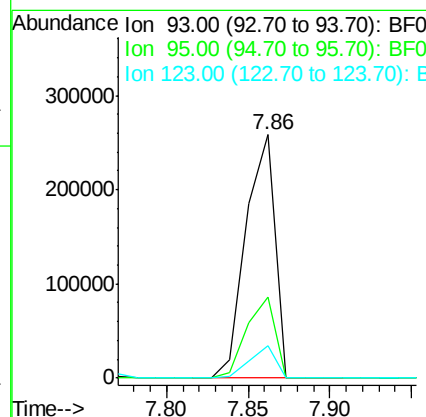
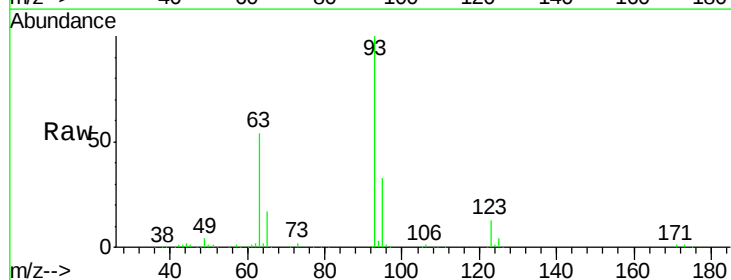
Manual Integrations  
APPROVED

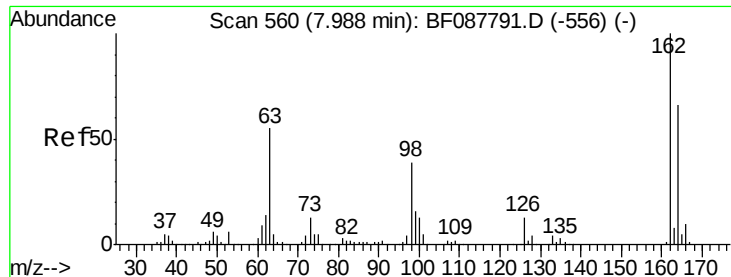
SOHIL  
6/13/2016 7:11:08 PM



#28  
bis(2-Chloroethoxy)methane  
Concen: 33.12 ng  
RT: 7.86 min Scan# 549  
Delta R.T. -0.02 min  
Lab File: BF087881.D  
Acq: 10 Jun 2016 18:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 317964 |       |       |
| 95      | 33.3  | 26.5   | 39.7  |       |
| 123     | 13.3  | 11.6   | 17.4  |       |





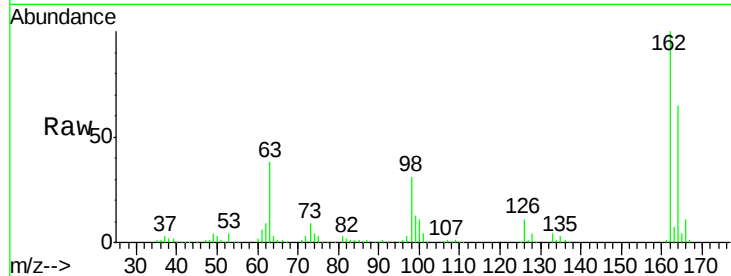
#29  
 2,4-Dichlorophenol  
 Concen: 37.24 ng  
 RT: 7.96 min Scan# 558  
 Delta R.T. -0.02 min  
 Lab File: BF087881.D  
 Acq: 10 Jun 2016 18:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 U5-B2(0-10)CMS

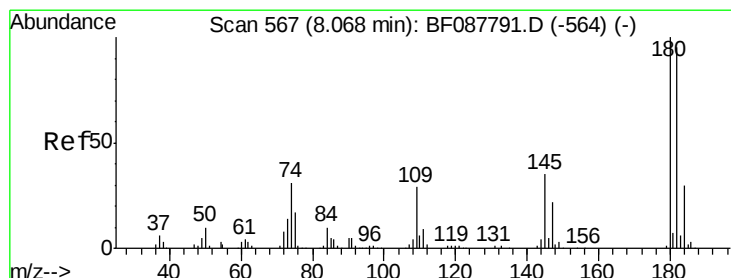
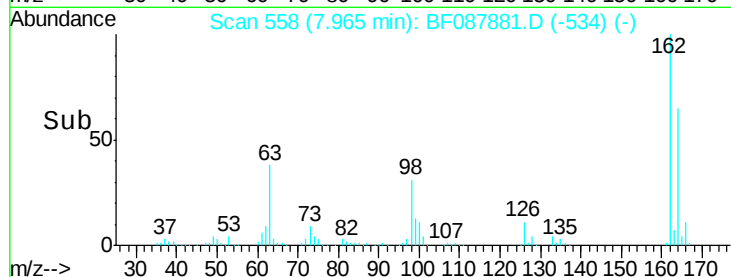
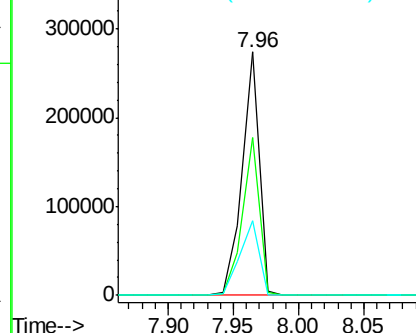
| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 162     | 100   |            |       |
| 164     | 64.8  | 43.8       | 83.8  |
| 98      | 30.8  | 21.3       | 61.3  |

Manual Integrations  
 APPROVED

SOHIL  
 6/13/2016 7:11:08 PM

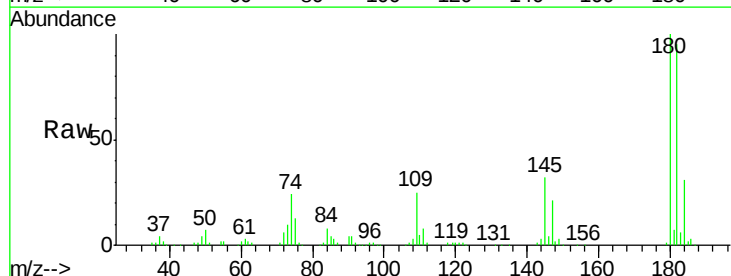


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF0

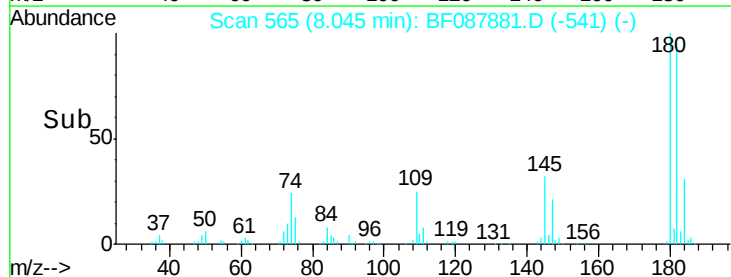
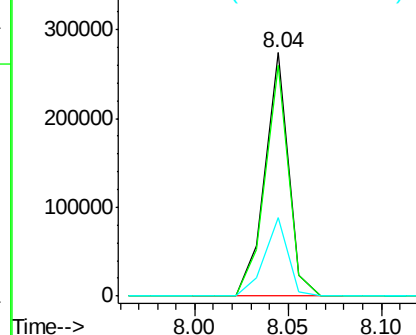


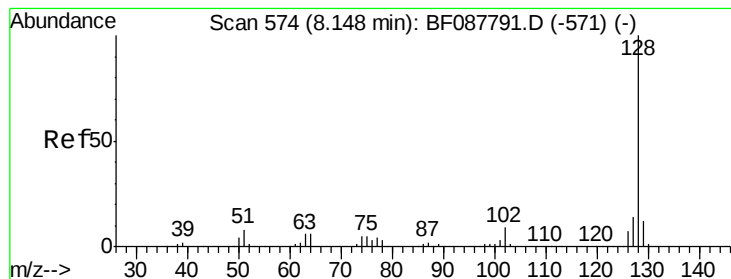
#30  
 1,2,4-Trichlorobenzene  
 Concen: 33.60 ng  
 RT: 8.04 min Scan# 565  
 Delta R.T. -0.02 min  
 Lab File: BF087881.D  
 Acq: 10 Jun 2016 18:23

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 180     | 100   |            |       |
| 182     | 94.8  | 76.0       | 114.0 |
| 145     | 32.4  | 26.5       | 39.7  |



Abundance Ion 180.00 (179.70 to 180.70): E  
 Ion 182.00 (181.70 to 182.70): E  
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 34.11 ng

RT: 8.12 min Scan# 572

Delta R.T. -0.02 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

Instrument :

BNA\_F

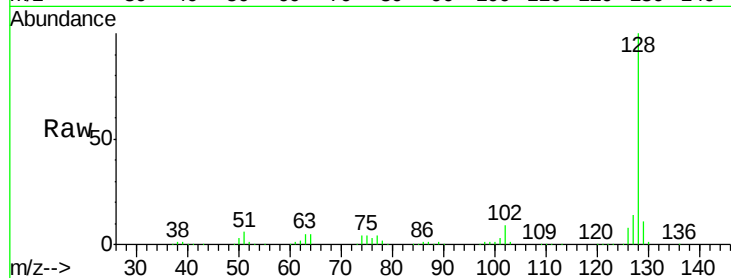
ClientSampleId :

U5-B2(0-10)CMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 823775 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 129       | 11.4  | 9.4   | 14.2   |
| 127       | 13.7  | 10.9  | 16.3   |

Manual Integrations  
APPROVED

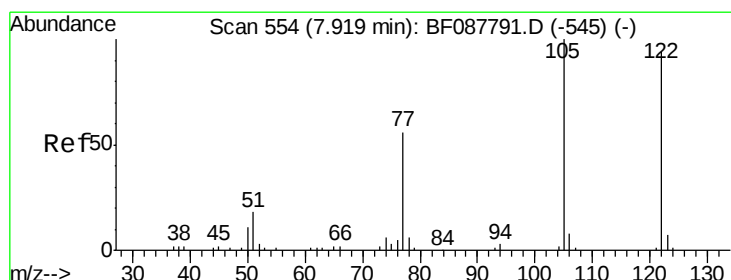
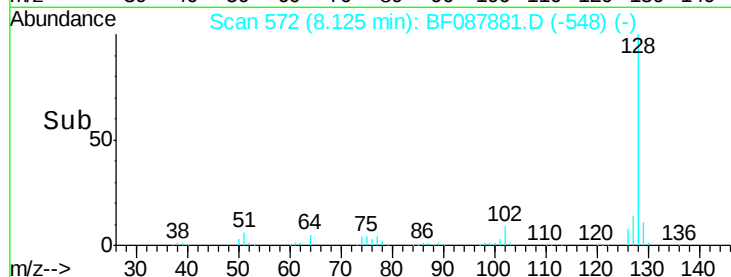
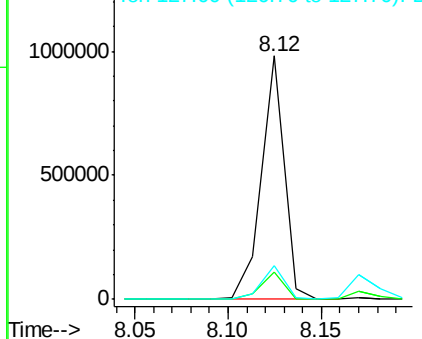
SOHIL  
6/13/2016 7:11:08 PM



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 2.70 ng

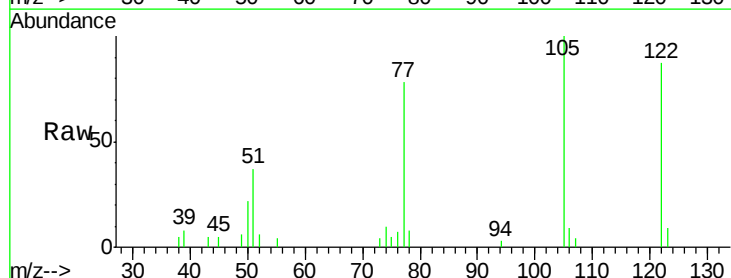
RT: 7.82 min Scan# 545

Delta R.T. -0.10 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

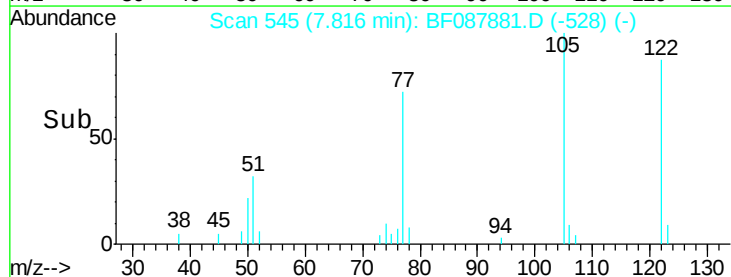
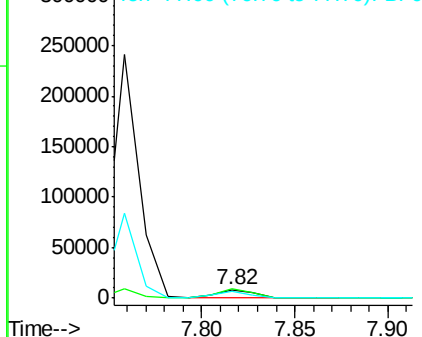
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 122   | Resp: | 11850 |
| Ion Ratio | Lower | Upper |       |
| 122       | 100   |       |       |
| 105       | 114.9 | 101.6 | 141.6 |
| 77        | 89.8  | 70.6  | 110.6 |

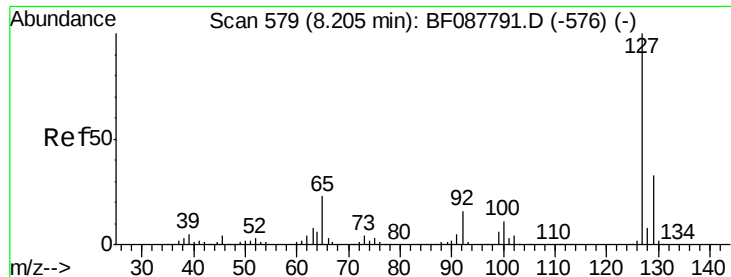


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





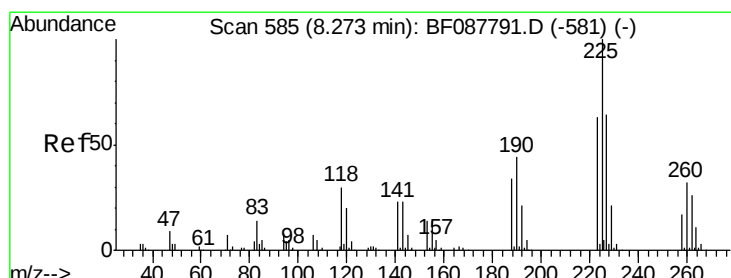
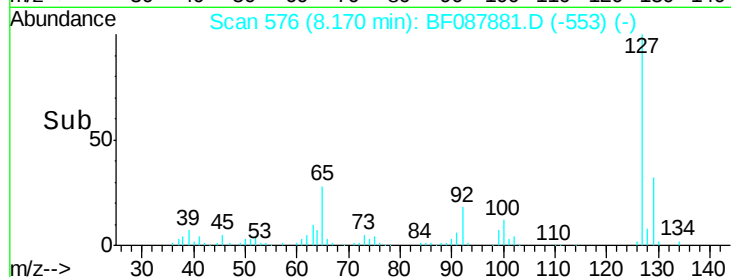
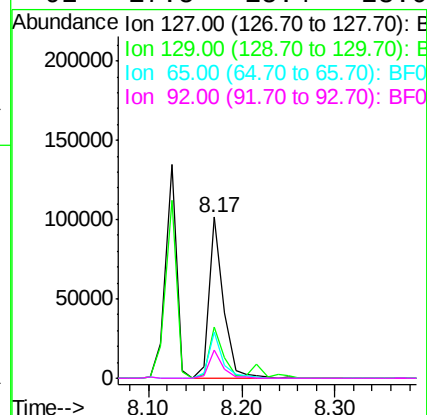
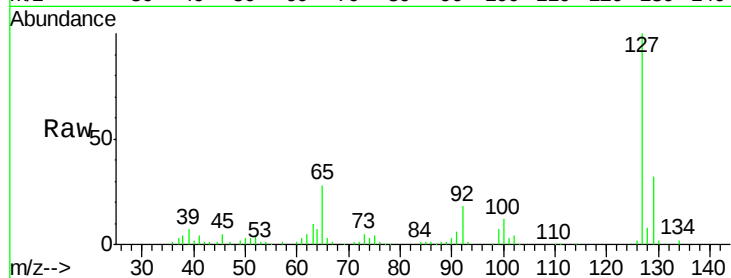
#33  
4-Chloroaniline  
Concen: 10.20 ng  
RT: 8.17 min Scan# 576  
Delta R.T. -0.03 min  
Lab File: BF087881.D  
Acq: 10 Jun 2016 18:23

Instrument :  
BNA\_F  
ClientSampleId :  
U5-B2(0-10)CMS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 32.0 | 26.3  | 39.5 |       |       |
| 65      | 28.3 | 24.7  | 37.1 |       |       |
| 92      | 17.5 | 15.4  | 23.0 |       |       |

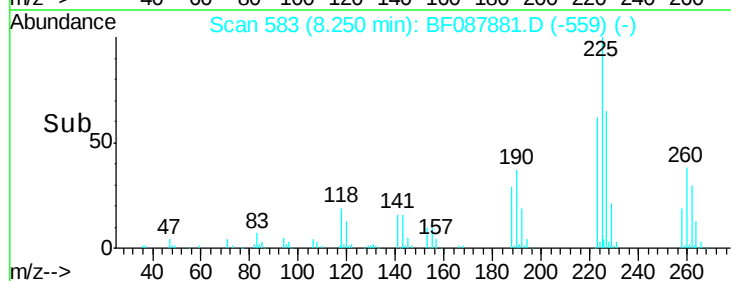
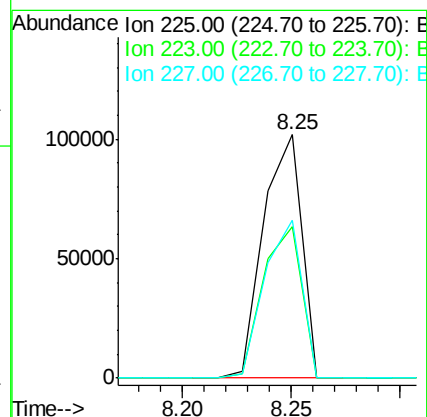
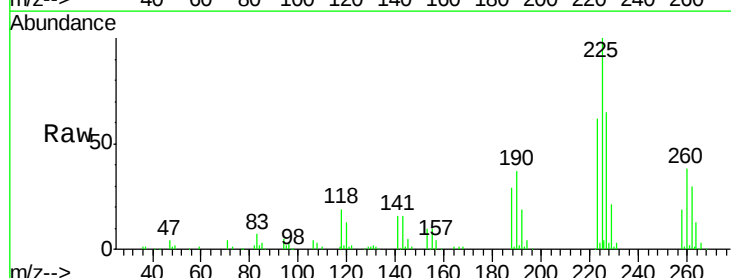
Manual Integrations  
APPROVED

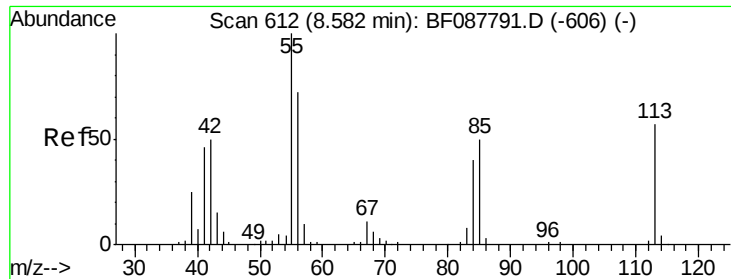
SOHIL  
6/13/2016 7:11:08 PM



#34  
Hexachlorobutadiene  
Concen: 32.74 ng  
RT: 8.25 min Scan# 583  
Delta R.T. -0.02 min  
Lab File: BF087881.D  
Acq: 10 Jun 2016 18:23

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 62.1 | 50.9  | 76.3 |       |       |
| 227     | 64.6 | 51.9  | 77.9 |       |       |





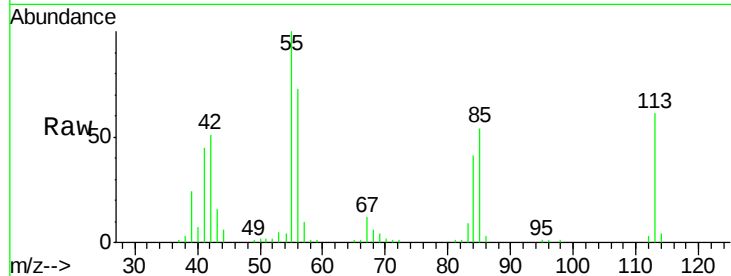
#35  
 Caprolactam  
 Concen: 35.00 ng/ml  
 RT: 8.54 min Scan# 608  
 Delta R.T. -0.05 min  
 Lab File: BF087881.D  
 Acq: 10 Jun 2016 18:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 U5-B2(0-10)CMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 55      | 163.8 | 158.6 | 198.6 |
| 56      | 119.9 | 110.6 | 150.6 |

Manual Integrations  
 APPROVED

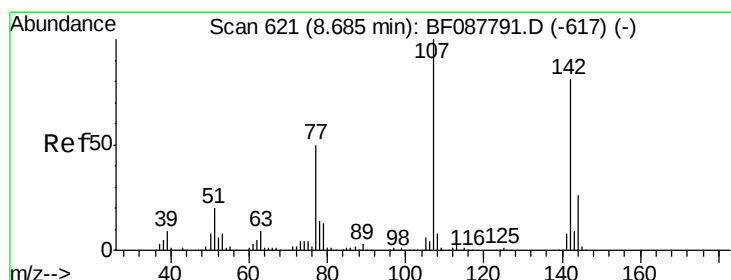
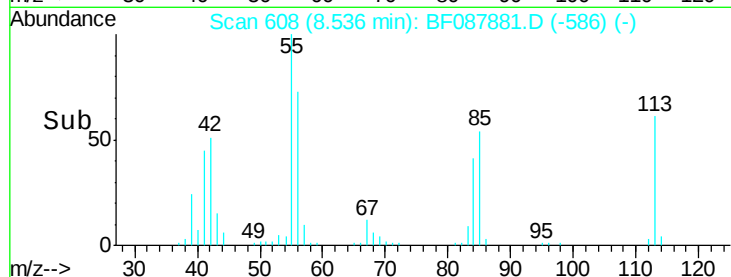
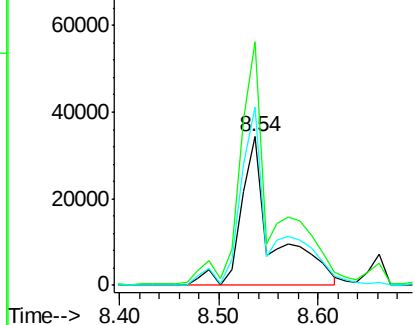
SOHIL  
 6/13/2016 7:11:08 PM



Abundance Ion 113.00 (112.70 to 113.70): E

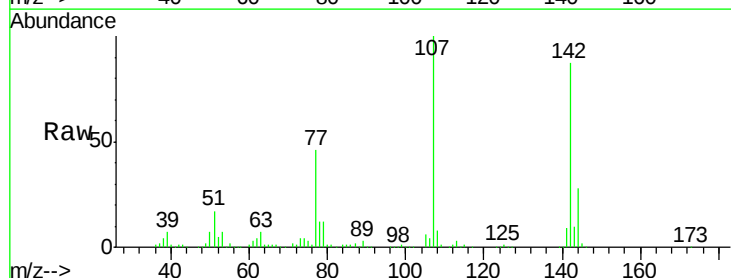
Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36  
 4-Chloro-3-methylphenol  
 Concen: 34.23 ng/ml  
 RT: 8.66 min Scan# 619  
 Delta R.T. -0.02 min  
 Lab File: BF087881.D  
 Acq: 10 Jun 2016 18:23

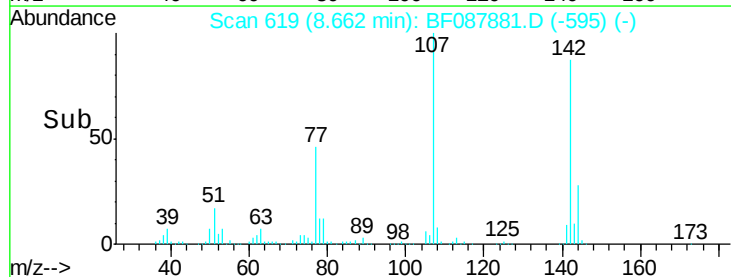
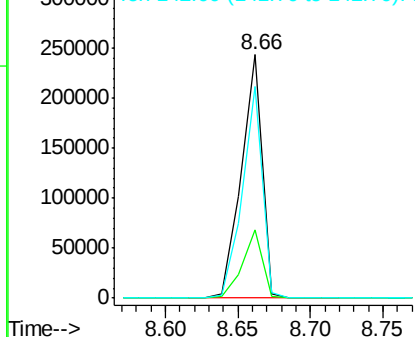
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 28.0  | 20.8  | 31.2  |
| 142     | 87.1  | 63.4  | 95.2  |

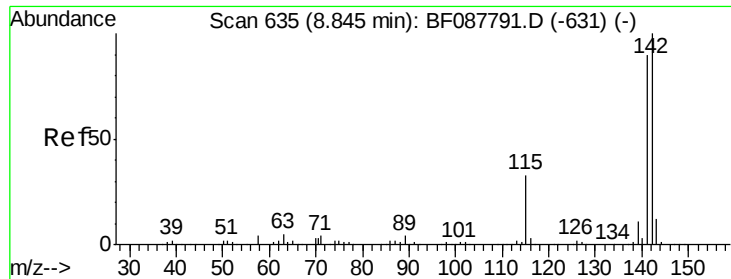


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





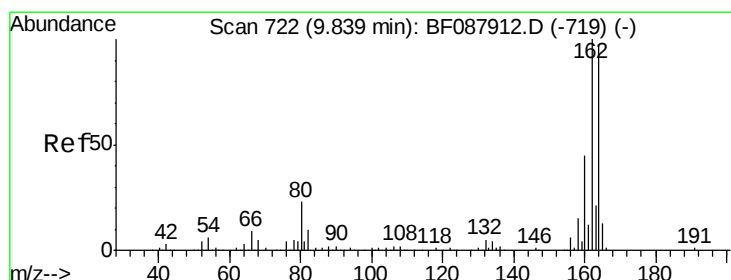
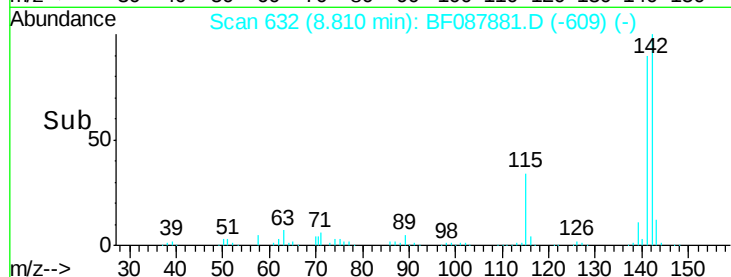
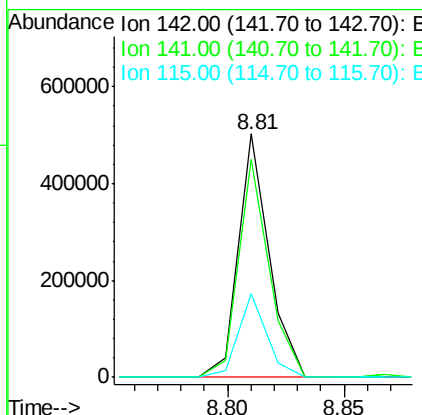
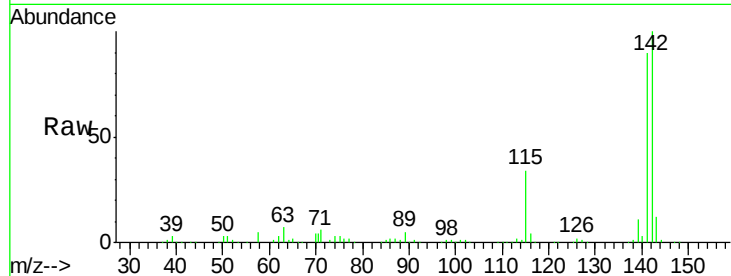
#37  
2-Methylnaphthalene  
Concen: 29.13 ng/ml  
RT: 8.81 min Scan# 632  
Delta R.T. -0.03 min  
Lab File: BF087881.D  
Acq: 10 Jun 2016 18:23

Instrument :  
BNA\_F  
ClientSampleId :  
U5-B2(0-10)CMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.5  | 71.0  | 106.6 |
| 115     | 34.4  | 22.6  | 33.8  |

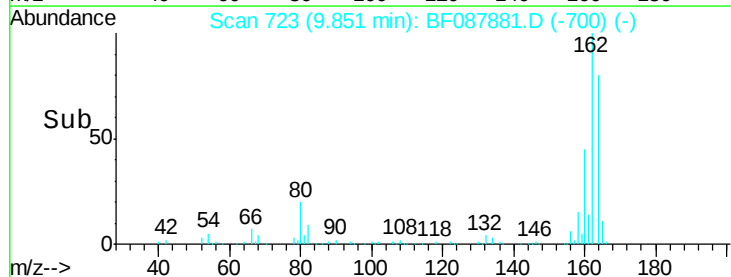
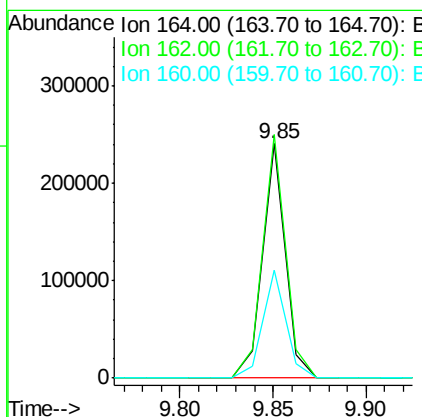
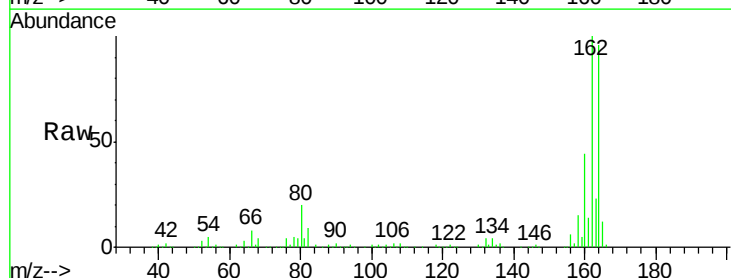
Manual Integrations  
APPROVED

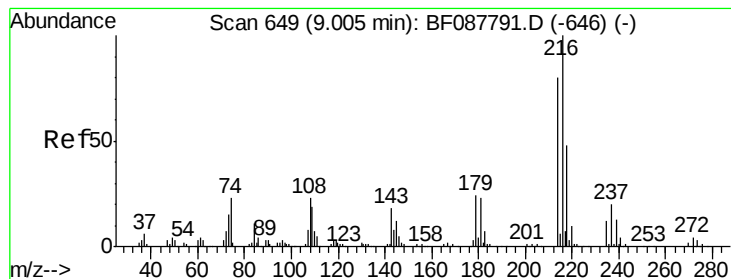
SOHIL  
6/13/2016 7:11:08 PM



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.85 min Scan# 723  
Delta R.T. -0.03 min  
Lab File: BF087881.D  
Acq: 10 Jun 2016 18:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.9 | 85.4  | 128.2 |
| 160     | 46.1  | 39.5  | 59.3  |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 42.28 ng

RT: 8.98 min Scan# 647

Delta R.T. -0.02 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

Instrument :

BNA\_F

ClientSampleId :

U5-B2(0-10)CMS

Tot Ion:216 Resp: 225566  
Ion Ratio Lower Upper

216 100

214 78.7 2.9 4.3#

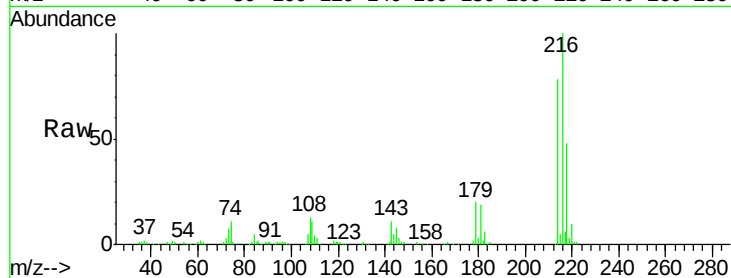
179 21.5 0.0 0.0#

108 17.5 0.5 0.7#

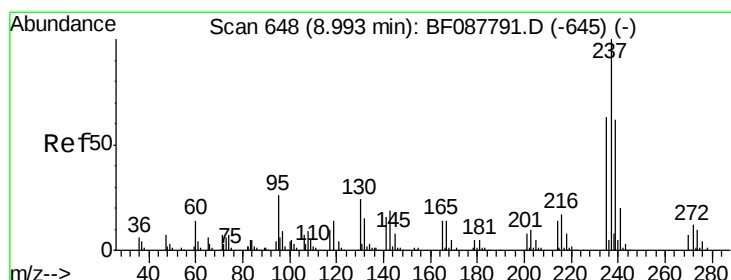
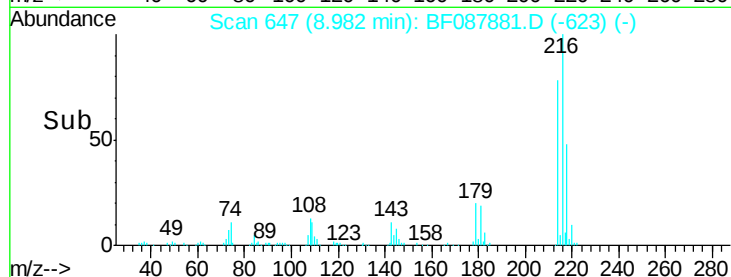
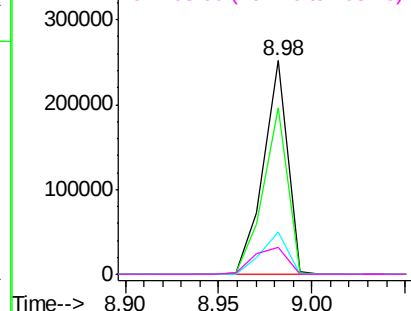
Manual Integrations  
APPROVED

SOHIL

6/13/2016 7:11:08 PM



Abundance Ion 216.00 (215.70 to 216.70): E  
Ion 214.00 (213.70 to 214.70): E  
Ion 179.00 (178.70 to 179.70): E  
Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 11.15 ng

RT: 8.97 min Scan# 646

Delta R.T. -0.02 min

Lab File: BF087881.D

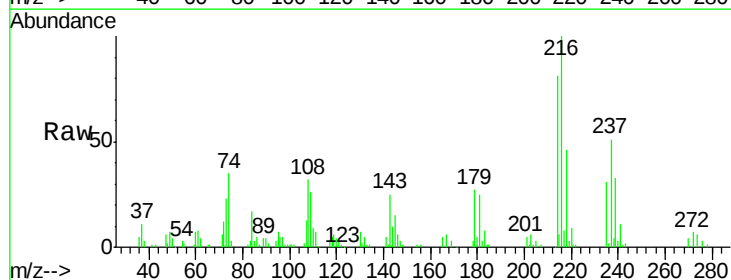
Acq: 10 Jun 2016 18:23

Tgt Ion:237 Resp: 36114  
Ion Ratio Lower Upper

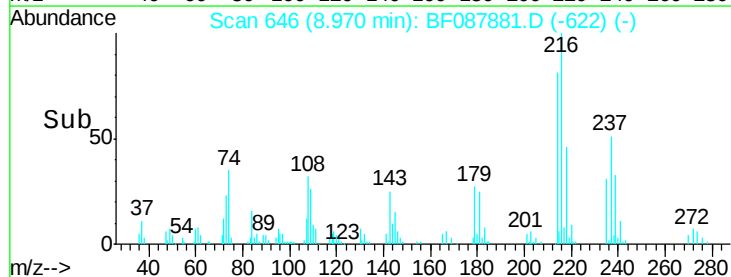
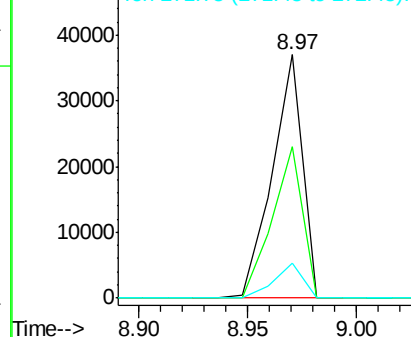
237 100

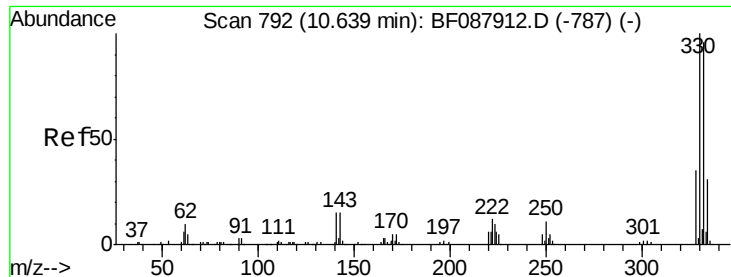
235 62.1 43.4 83.4

272 14.3 0.0 32.3



Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E





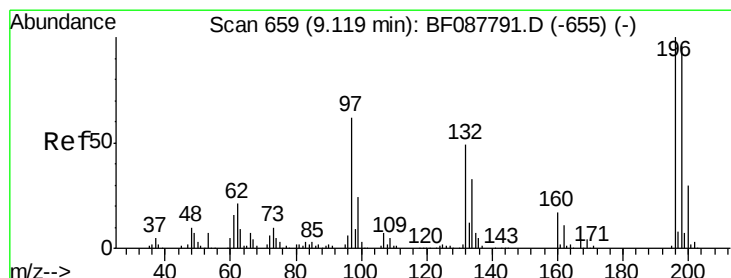
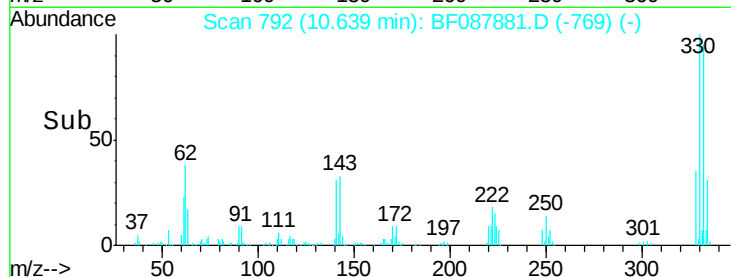
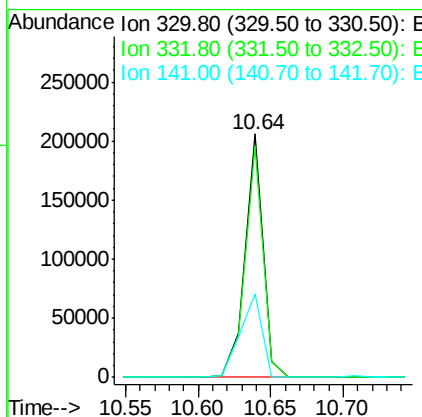
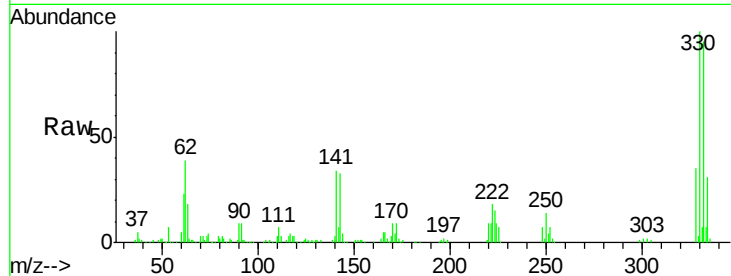
#41  
 2,4,6-Tribromophenol  
 Concen: 83.72 ng  
 RT: 10.64 min Scan# 792  
 Delta R.T. -0.03 min  
 Lab File: BF087881.D  
 Acq: 10 Jun 2016 18:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 U5-B2(0-10)CMS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 330     | 100   |            |       |
| 332     | 94.8  | 0.0        | 0.0#  |
| 141     | 41.4  | 0.0        | 0.0#  |

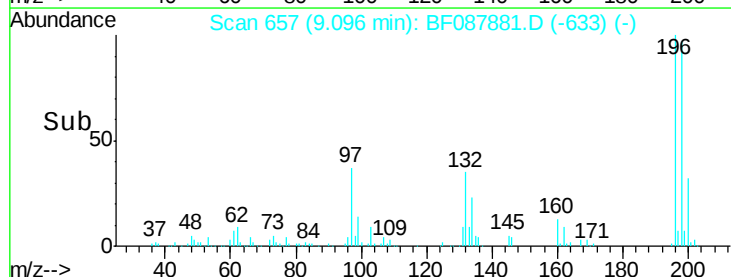
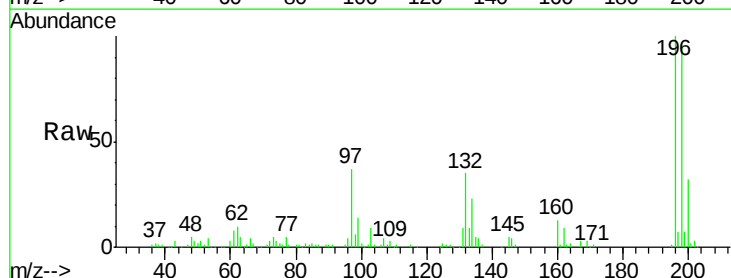
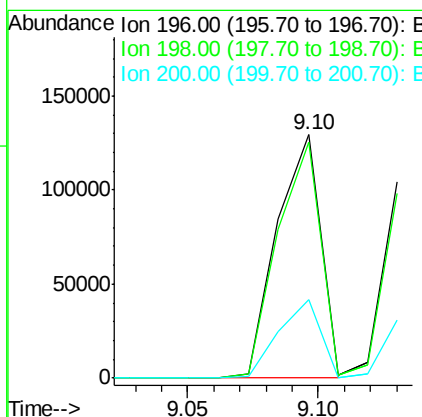
Manual Integrations  
 APPROVED

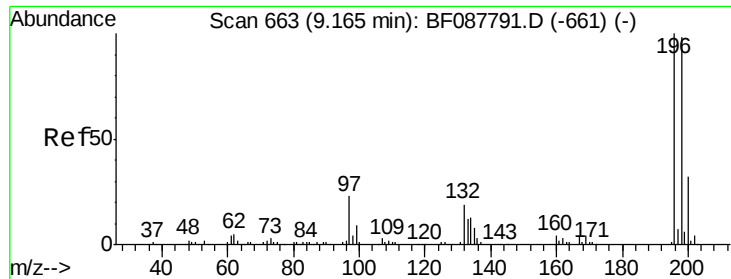
SOHIL  
 6/13/2016 7:11:08 PM



#42  
 2,4,6-Trichlorophenol  
 Concen: 37.33 ng  
 RT: 9.10 min Scan# 657  
 Delta R.T. -0.02 min  
 Lab File: BF087881.D  
 Acq: 10 Jun 2016 18:23

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 196     | 100   |            |       |
| 198     | 97.2  | 78.0       | 117.0 |
| 200     | 32.1  | 25.4       | 38.2  |





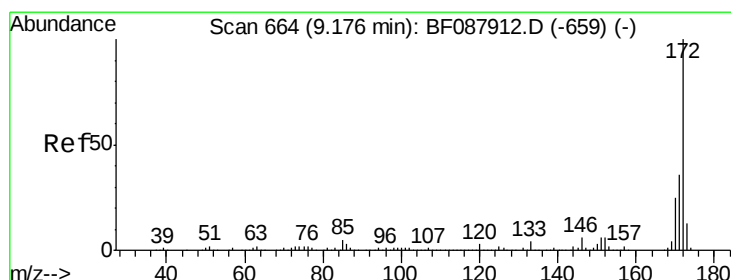
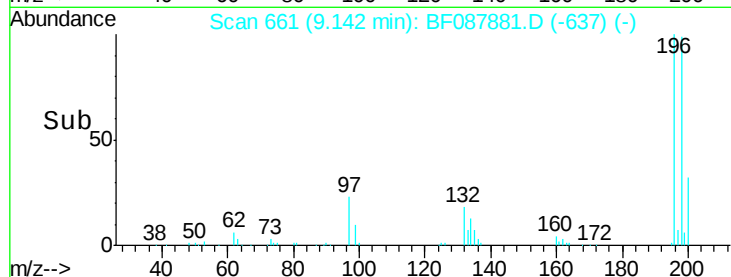
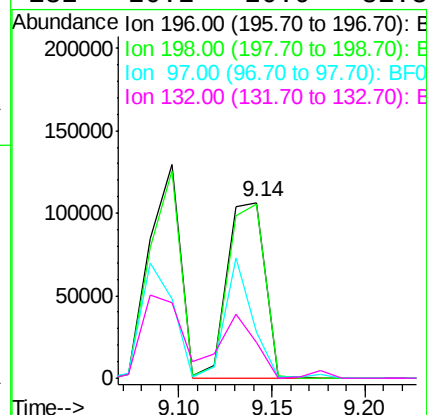
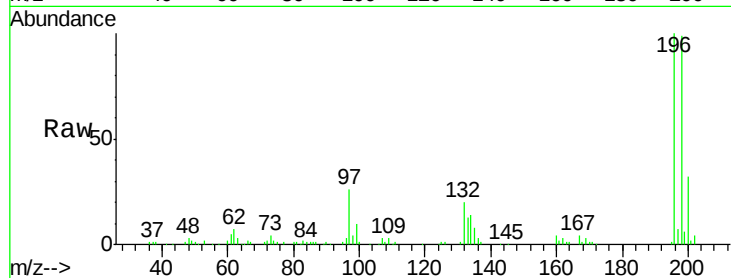
#43  
2,4,5-Trichlorophenol  
Concen: 36.13 ng  
RT: 9.14 min Scan# 661  
Delta R.T. -0.02 min  
Lab File: BF087881.D  
Acq: 10 Jun 2016 18:23

Instrument :  
BNA\_F  
ClientSampleId :  
U5-B2(0-10)CMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 150976 |       |       |
| 198     | 98.9  | 77.5   | 116.3 |       |
| 97      | 26.2  | 32.0   | 48.0  |       |
| 132     | 20.2  | 20.9   | 31.3  |       |

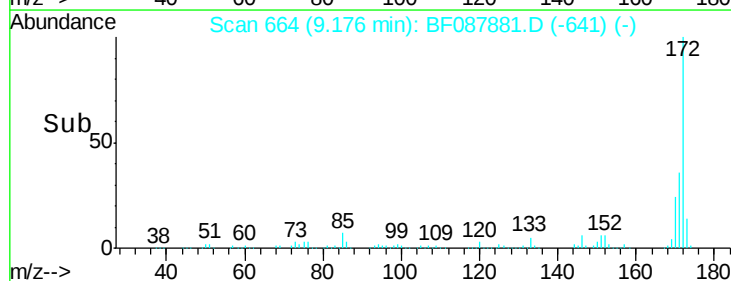
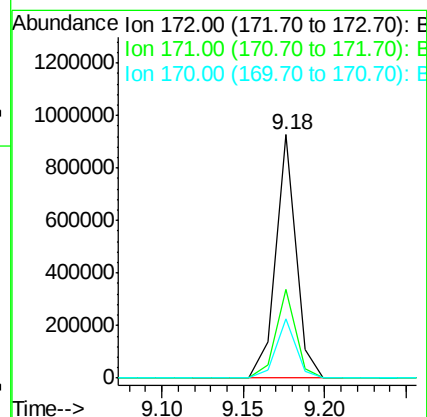
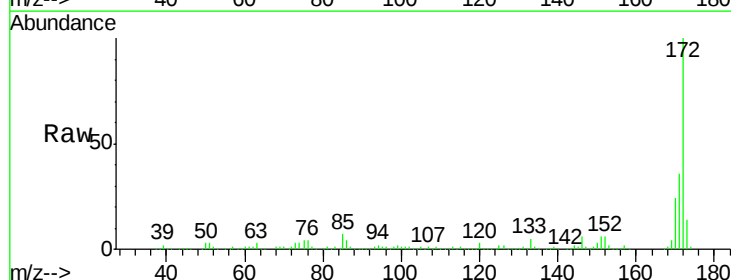
Manual Integrations  
APPROVED

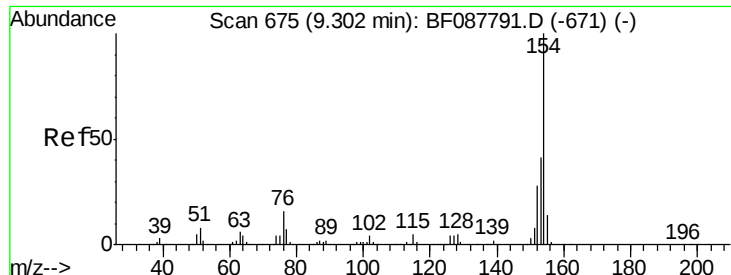
SOHIL  
6/13/2016 7:11:08 PM



#44  
2-Fluorobiphenyl  
Concen: 61.63 ng  
RT: 9.18 min Scan# 664  
Delta R.T. -0.03 min  
Lab File: BF087881.D  
Acq: 10 Jun 2016 18:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 807287 |       |       |
| 171     | 36.4  | 28.6   | 43.0  |       |
| 170     | 24.3  | 19.2   | 28.8  |       |





#45

1,1'-Biphenyl

Concen: 39.94 ng

RT: 9.28 min Scan# 673

Delta R.T. -0.02 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

Instrument :

BNA\_F

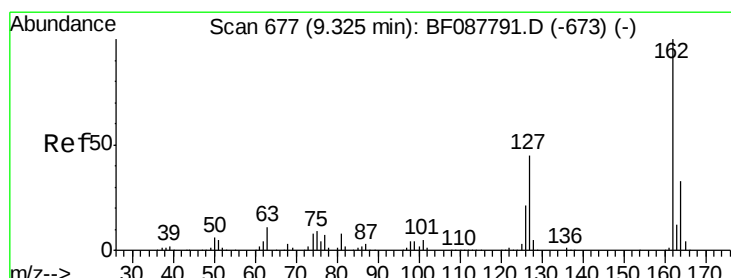
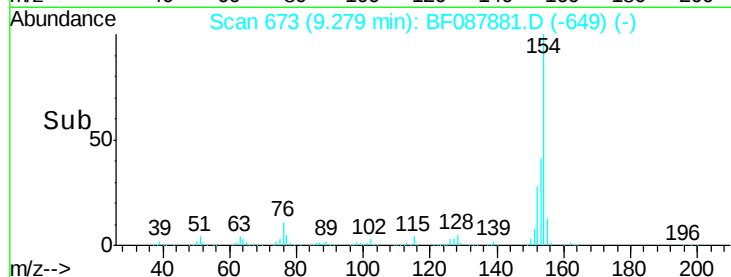
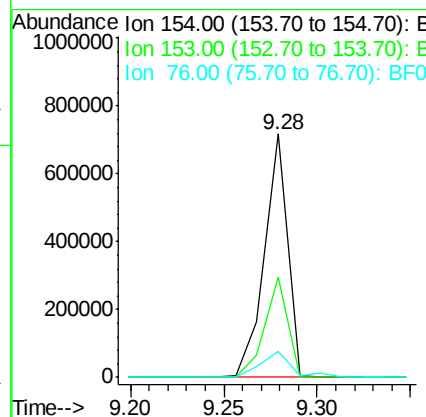
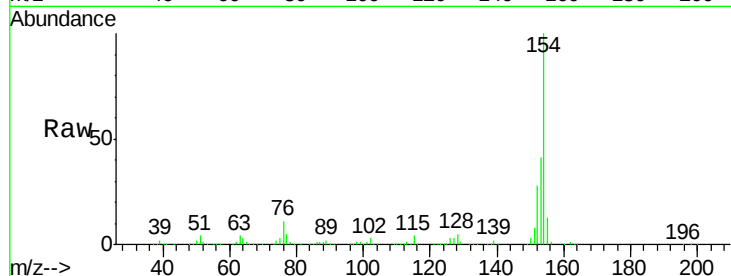
ClientSampleId :

U5-B2(0-10)CMS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 154  | Resp: | 612568 |
| Ion Ratio |      | Lower | Upper  |
| 154       | 100  |       |        |
| 153       | 40.9 | 20.6  | 60.6   |
| 76        | 10.8 | 0.0   | 35.1   |

Manual Integrations  
APPROVED

SOHIL  
6/13/2016 7:11:08 PM



#46

2-Chloronaphthalene

Concen: 36.26 ng

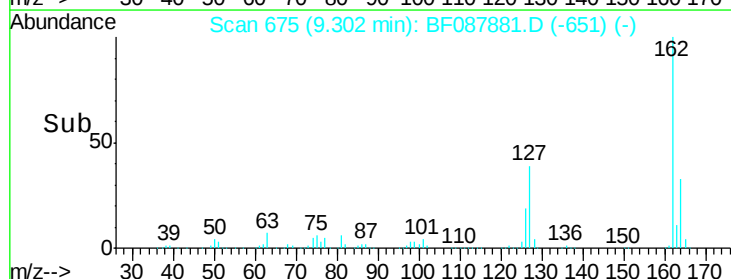
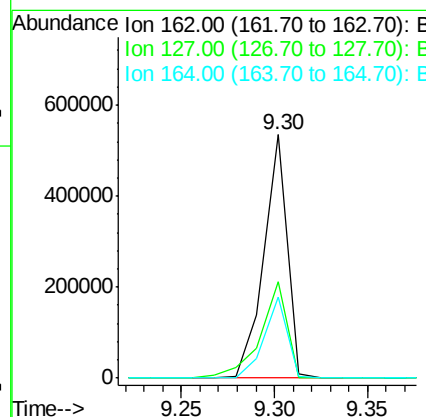
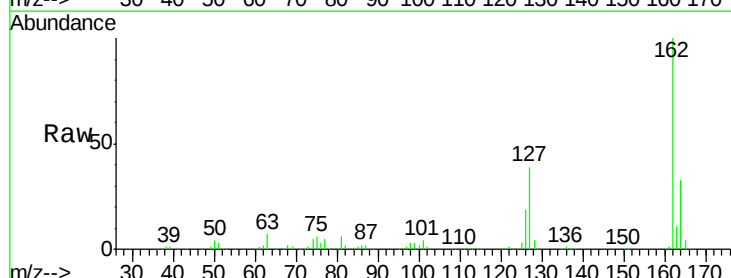
RT: 9.30 min Scan# 675

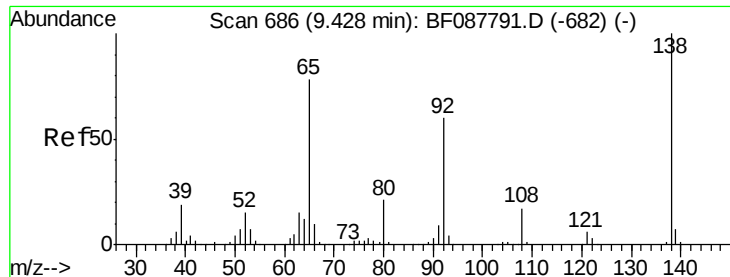
Delta R.T. -0.02 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 162  | Resp: | 471151 |
| Ion Ratio |      | Lower | Upper  |
| 162       | 100  |       |        |
| 127       | 39.4 | 35.2  | 52.8   |
| 164       | 33.4 | 26.6  | 39.8   |





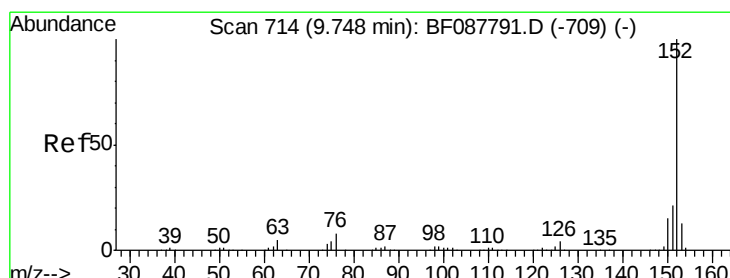
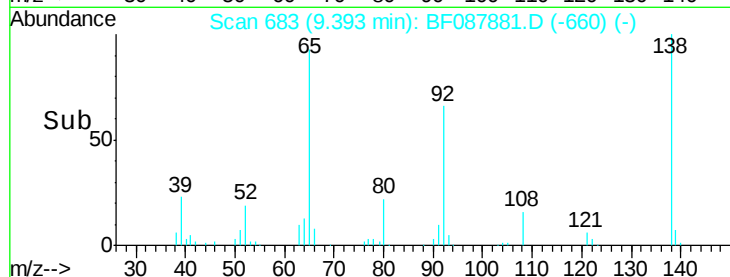
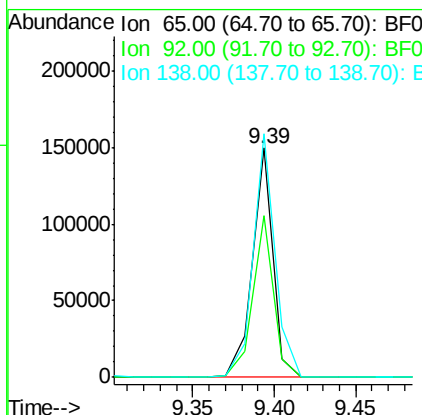
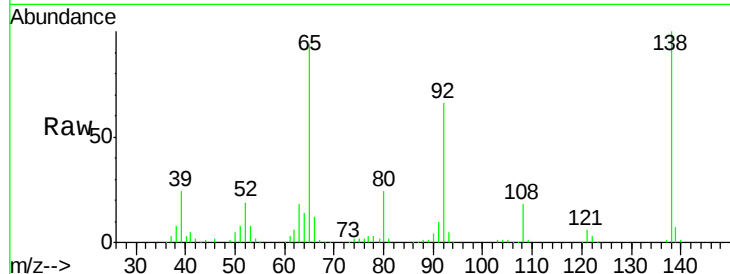
#47  
2-Nitroaniline  
Concen: 34.08 ng  
RT: 9.39 min Scan# 683  
Delta R.T. -0.03 min  
Lab File: BF087881.D  
Acq: 10 Jun 2016 18:23

Instrument :  
BNA\_F  
ClientSampleId :  
U5-B2(0-10)CMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 70.3  | 54.6  | 82.0  |
| 138     | 106.1 | 77.0  | 115.4 |

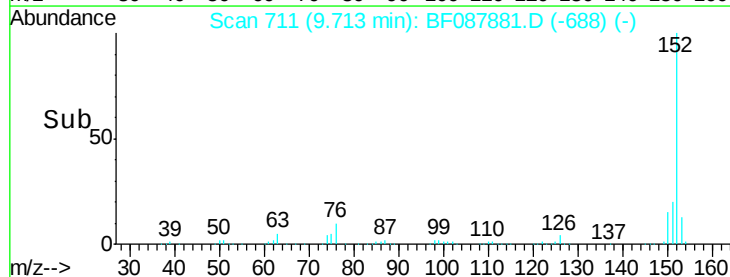
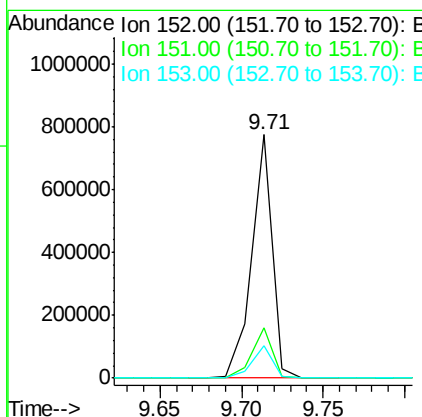
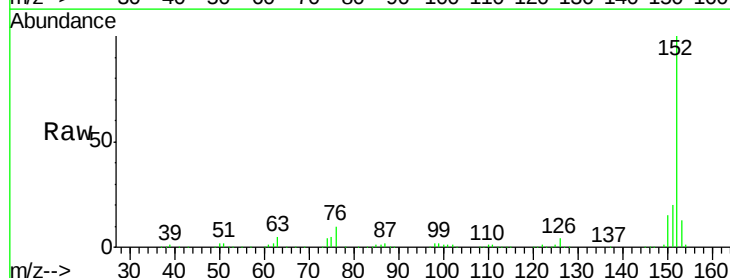
Manual Integrations  
APPROVED

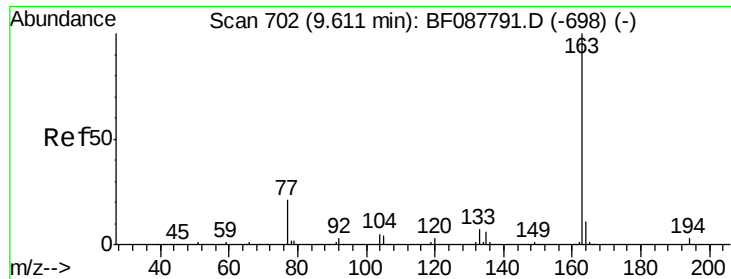
SOHIL  
6/13/2016 7:11:08 PM



#48  
Acenaphthylene  
Concen: 32.58 ng  
RT: 9.71 min Scan# 711  
Delta R.T. -0.03 min  
Lab File: BF087881.D  
Acq: 10 Jun 2016 18:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.5  | 16.2  | 24.4  |
| 153     | 13.4  | 11.0  | 16.6  |





#49

Dimethylphthalate

Concen: 51.71 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.03 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

Instrument :

BNA\_F

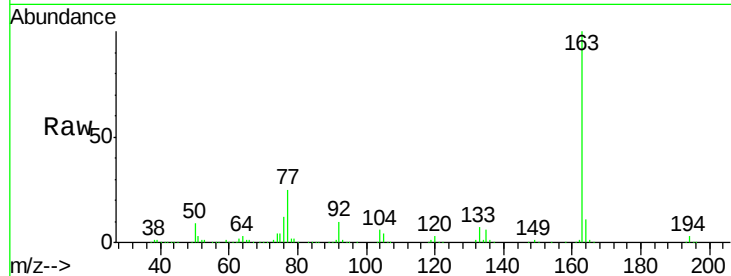
ClientSampleId :

U5-B2(0-10)CMS

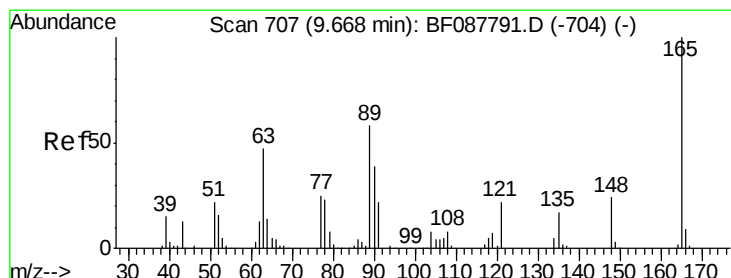
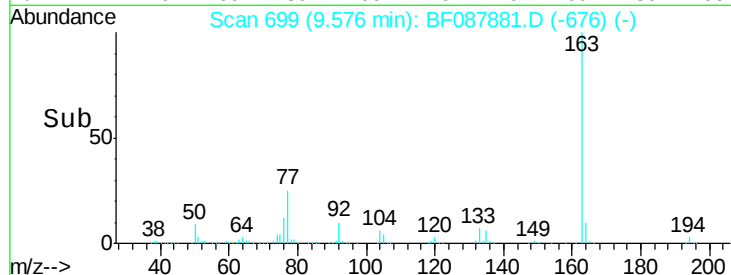
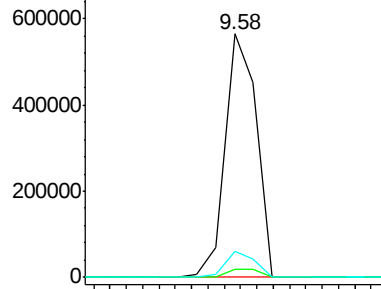
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 163   | Resp: | 752236 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 3.2   | 2.8   | 4.2    |
| 164       | 10.9  | 8.3   | 12.5   |

Manual Integrations  
APPROVED

SOHIL  
6/13/2016 7:11:08 PM



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 36.19 ng

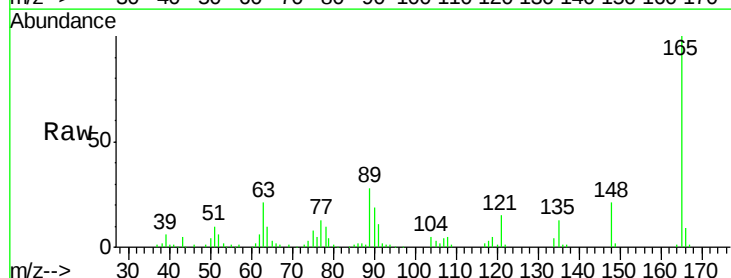
RT: 9.64 min Scan# 705

Delta R.T. -0.02 min

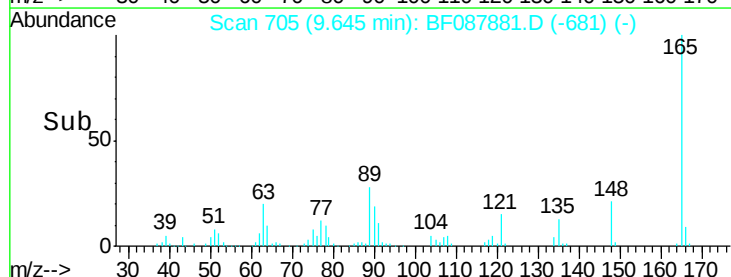
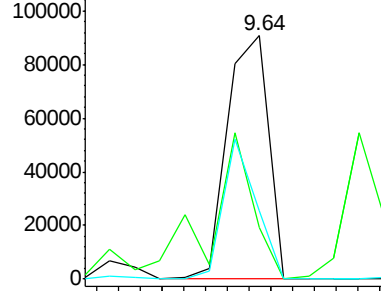
Lab File: BF087881.D

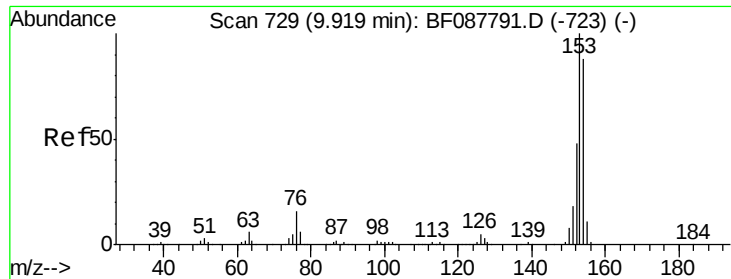
Acq: 10 Jun 2016 18:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 165   | Resp: | 120578 |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 21.0  | 28.1  | 42.1#  |
| 89        | 27.8  | 32.2  | 48.2#  |



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 31.41 ng

RT: 9.88 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

Instrument :

BNA\_F

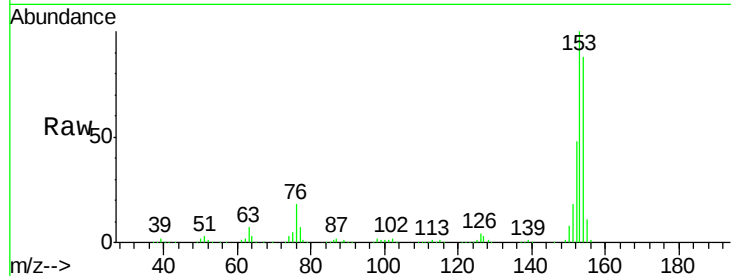
ClientSampleId :

U5-B2(0-10)CMS

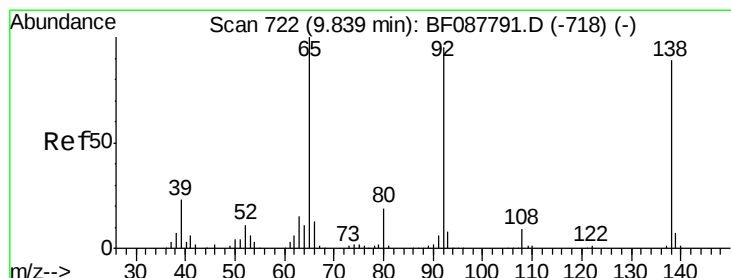
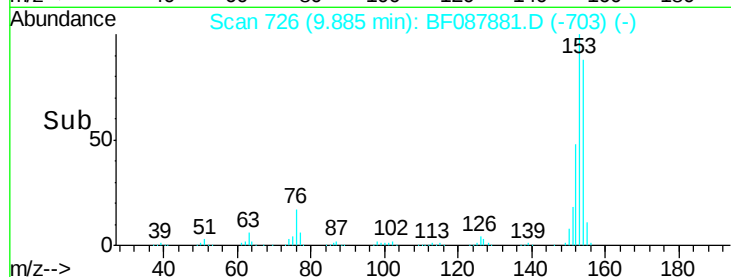
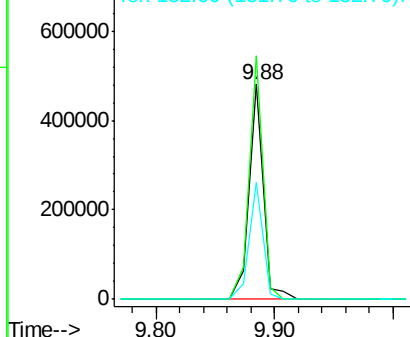
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 404993 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 113.3 | 89.5  | 134.3  |
| 152       | 54.2  | 42.7  | 64.1   |

Manual Integrations  
APPROVED

SOHIL  
6/13/2016 7:11:08 PM



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 27.30 ng

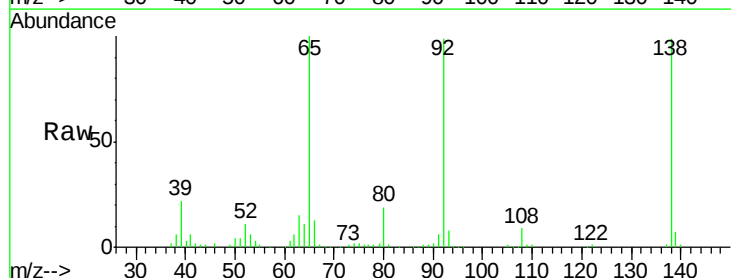
RT: 9.80 min Scan# 719

Delta R.T. -0.03 min

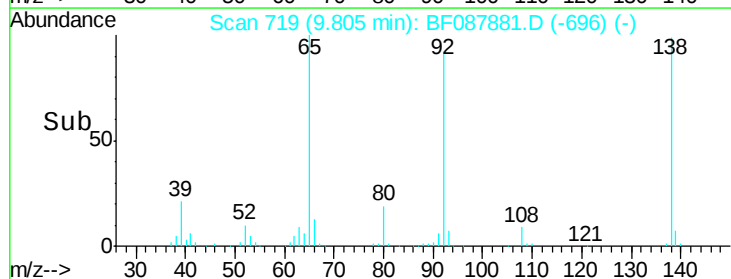
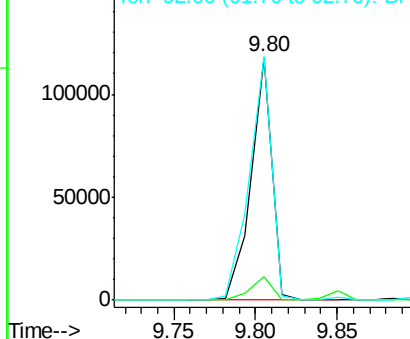
Lab File: BF087881.D

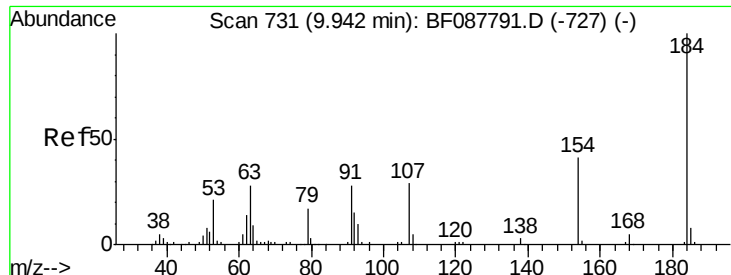
Acq: 10 Jun 2016 18:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 138   | Resp: | 104951 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 108       | 9.4   | 8.5   | 12.7   |
| 92        | 100.2 | 95.7  | 143.5  |



Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF0





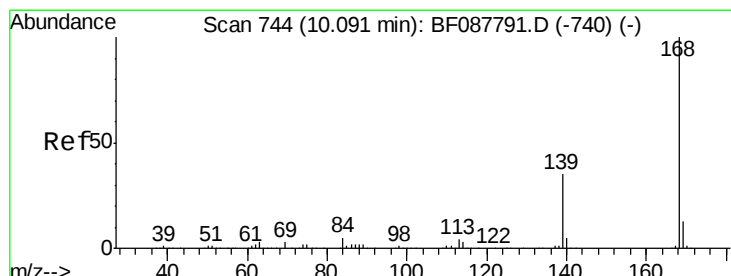
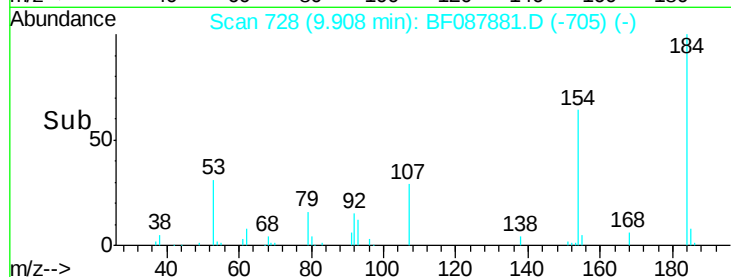
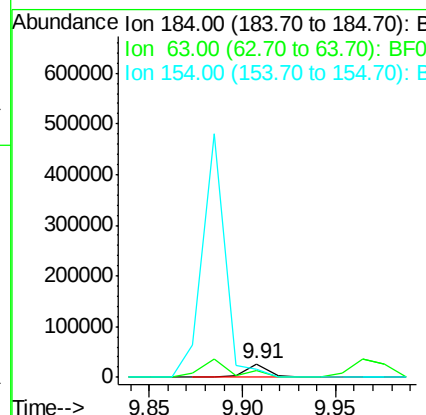
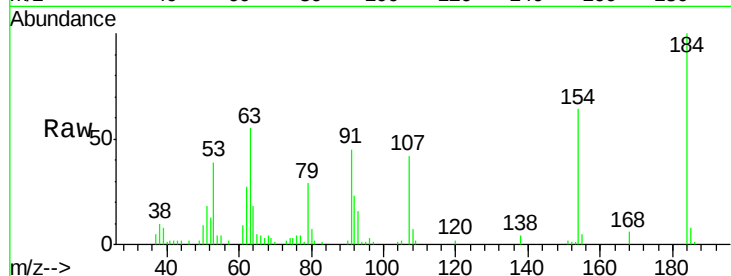
#53  
 2,4-Dinitrophenol  
 Concen: 17.00 ng  
 RT: 9.91 min Scan# 728  
 Delta R.T. -0.03 min  
 Lab File: BF087881.D  
 Acq: 10 Jun 2016 18:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 U5-B2(0-10)CMS

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 184     | 100   | 21806 |       |       |
| 63      | 55.3  | 57.6  | 86.4# |       |
| 154     | 63.9  | 53.5  | 80.3  |       |

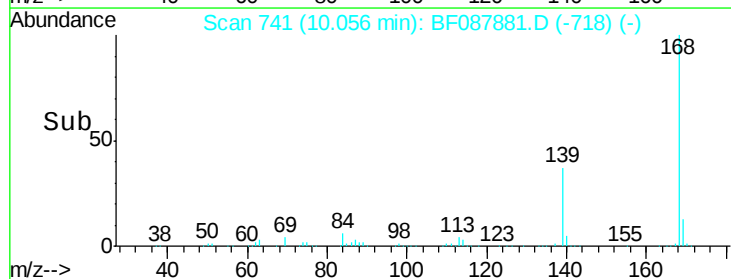
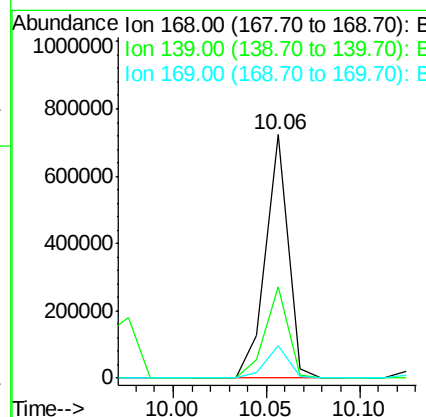
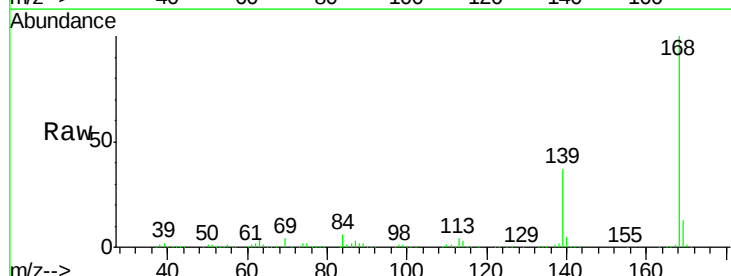
Manual Integrations  
 APPROVED

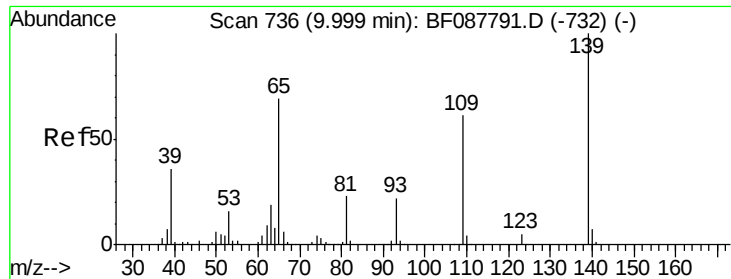
SOHIL  
 6/13/2016 7:11:08 PM



#54  
 Dibenzofuran  
 Concen: 34.00 ng  
 RT: 10.06 min Scan# 741  
 Delta R.T. -0.03 min  
 Lab File: BF087881.D  
 Acq: 10 Jun 2016 18:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 168     | 100   | 603846 |       |       |
| 139     | 37.4  | 26.4   | 39.6  |       |
| 169     | 13.5  | 10.4   | 15.6  |       |





#55

4-Nitrophenol

Concen: 78.02 ng

RT: 9.98 min Scan# 734

Delta R.T. -0.02 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

Instrument :

BNA\_F

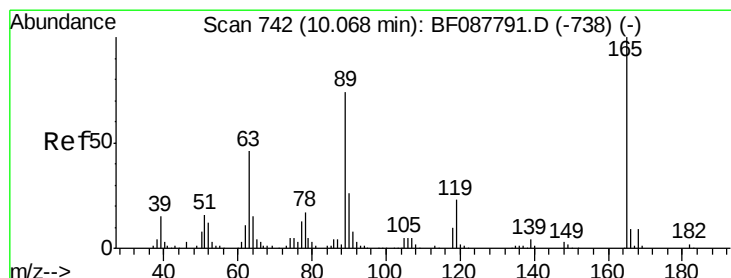
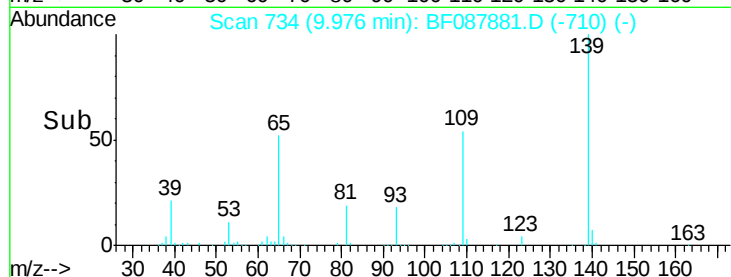
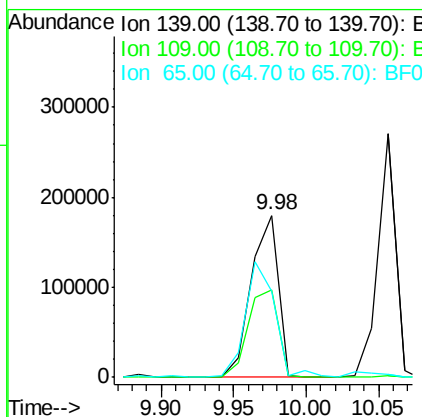
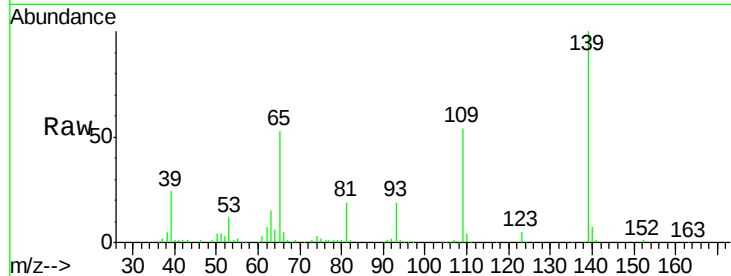
ClientSampleId :

U5-B2(0-10)CMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 139   | Resp: | 232776 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 54.2  | 48.9  | 88.9   |
| 65        | 52.8  | 84.9  | 124.9  |

Manual Integrations  
APPROVED

SOHIL  
6/13/2016 7:11:08 PM



#56

2,4-Dinitrotoluene

Concen: 39.42 ng

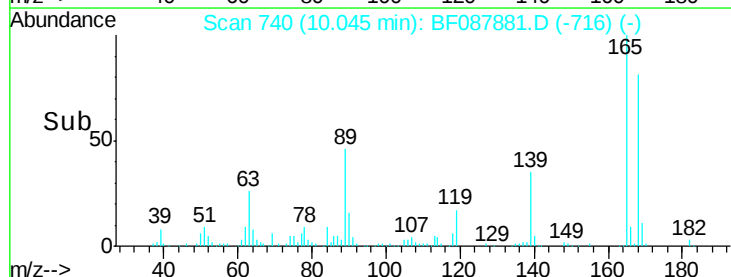
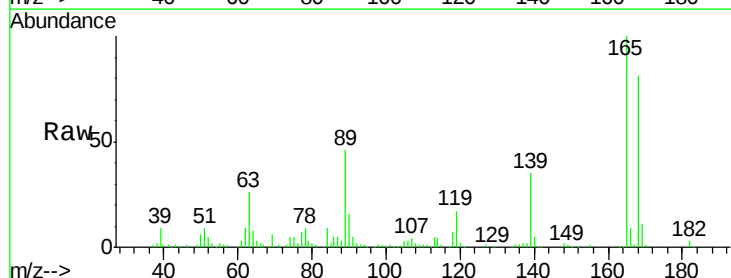
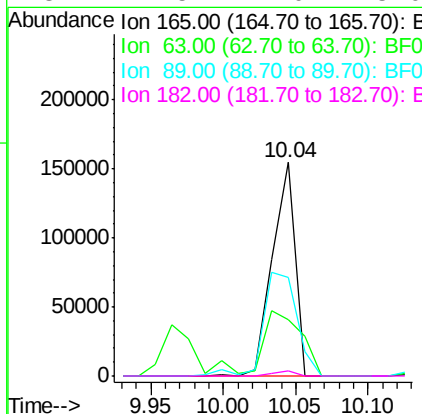
RT: 10.04 min Scan# 740

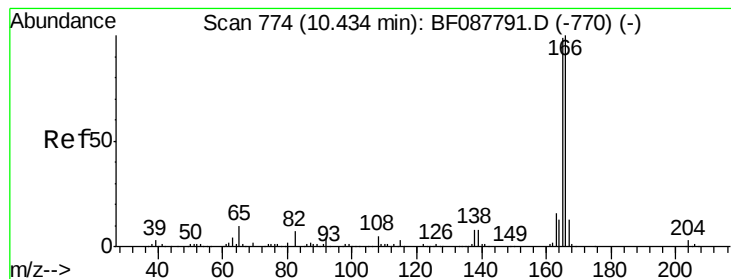
Delta R.T. -0.02 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 165   | Resp: | 168776 |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 26.5  | 22.0  | 33.0   |
| 89        | 46.4  | 41.1  | 61.7   |
| 182       | 2.5   | 2.0   | 3.0    |





#57

Fluorene

Concen: 39.23 ng

RT: 10.40 min Scan# 771

Delta R.T. -0.03 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

Instrument :

BNA\_F

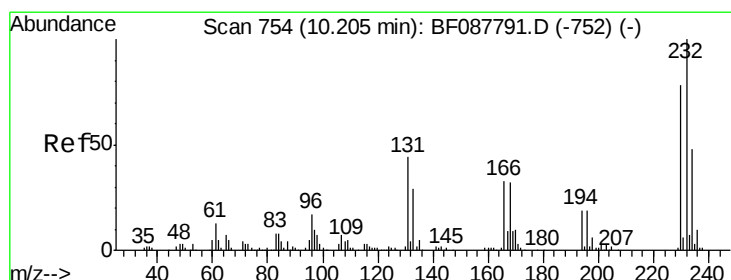
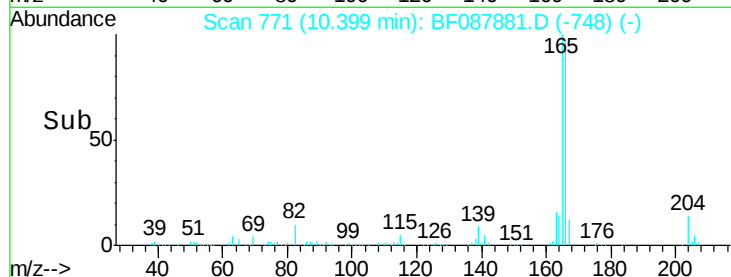
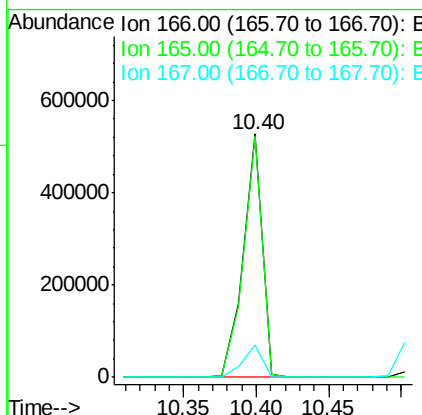
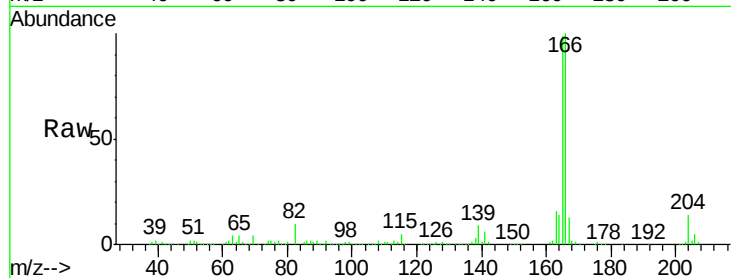
ClientSampleId :

U5-B2(0-10)CMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 166   | Resp: | 478216 |
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 99.0  | 77.8  | 116.8  |
| 167       | 13.4  | 11.2  | 16.8   |

Manual Integrations  
APPROVED

SOHIL  
6/13/2016 7:11:08 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 33.90 ng

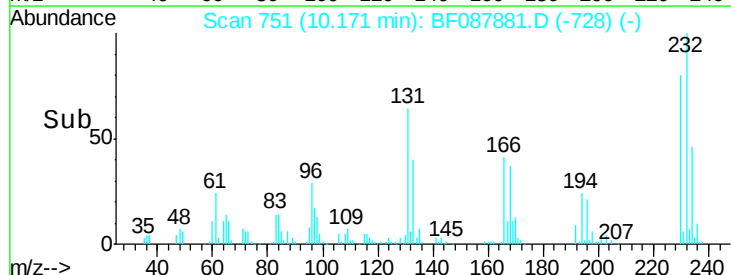
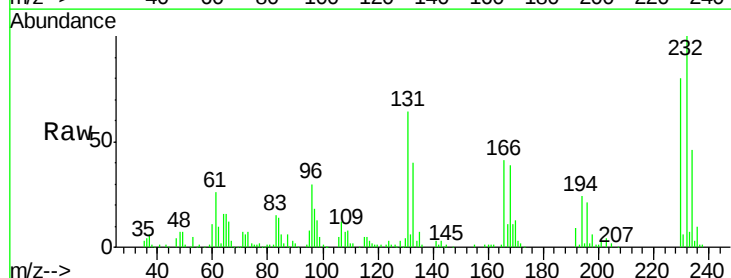
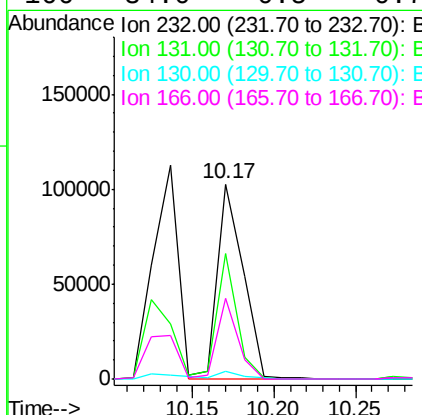
RT: 10.17 min Scan# 751

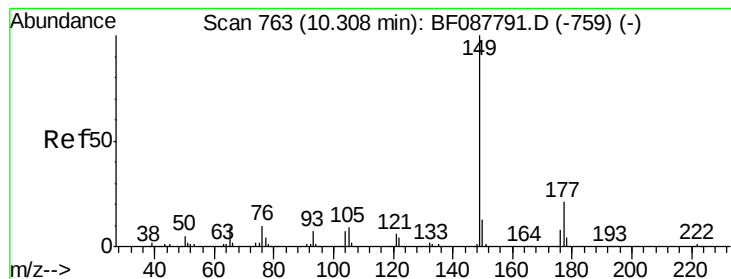
Delta R.T. -0.03 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 232   | Resp: | 111301 |
| Ion Ratio | Lower | Upper |        |
| 232       | 100   |       |        |
| 131       | 50.7  | 0.9   | 1.3#   |
| 130       | 3.3   | 1.5   | 2.3#   |
| 166       | 34.0  | 0.5   | 0.7#   |





#59

Diethylphthalate

Concen: 35.30 ng

RT: 10.27 min Scan# 760

Delta R.T. -0.03 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

Instrument :

BNA\_F

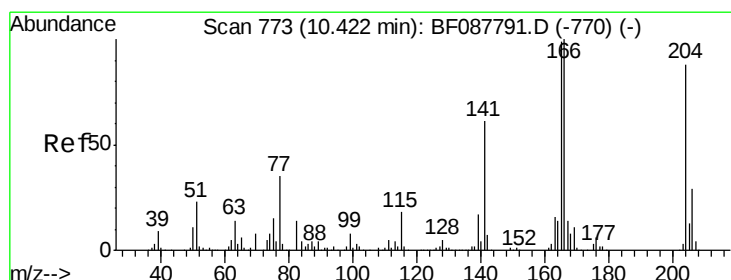
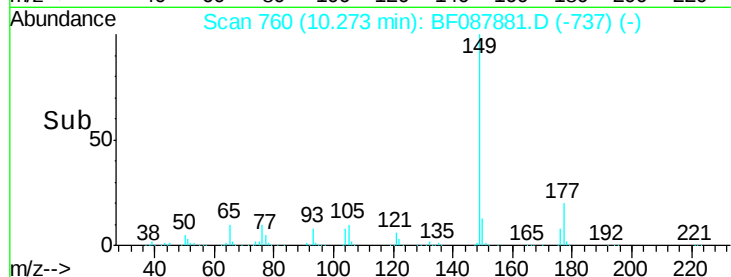
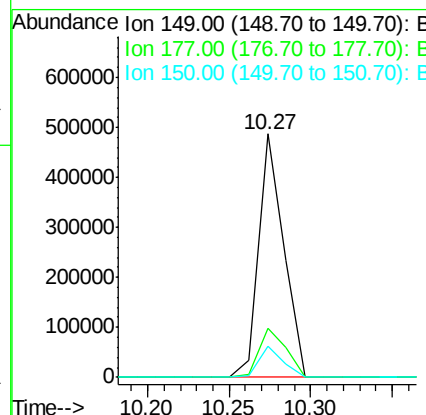
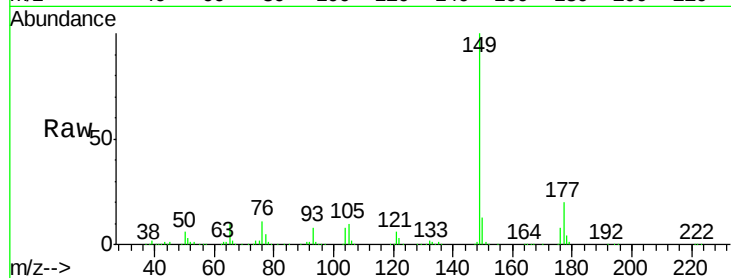
ClientSampleId :

U5-B2(0-10)CMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 519768 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 177       | 19.9  | 16.9  | 25.3   |
| 150       | 12.6  | 10.1  | 15.1   |

Manual Integrations  
APPROVED

SOHIL  
6/13/2016 7:11:08 PM



#60

4-Chlorophenyl-phenylether

Concen: 32.30 ng

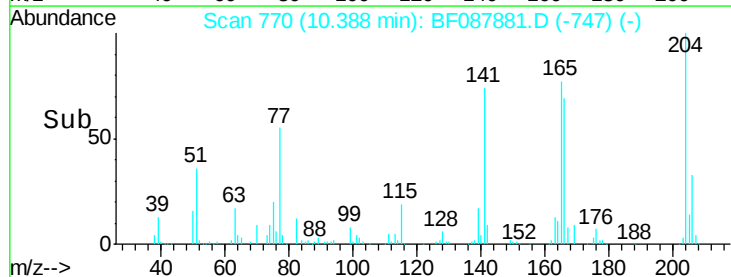
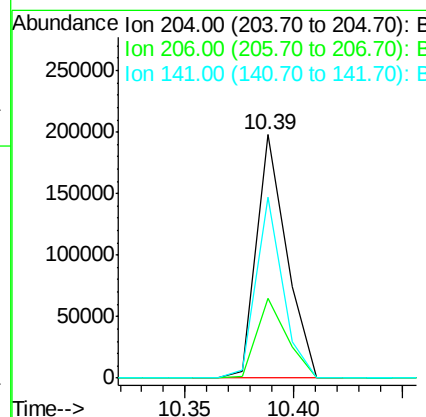
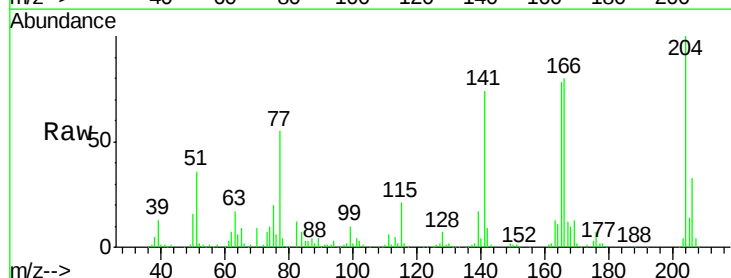
RT: 10.39 min Scan# 770

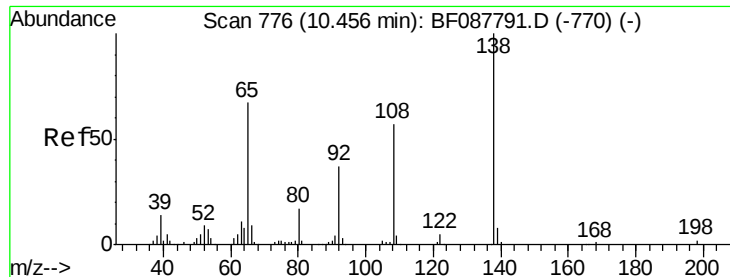
Delta R.T. -0.03 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 204   | Resp: | 190767 |
| Ion Ratio | Lower | Upper |        |
| 204       | 100   |       |        |
| 206       | 32.8  | 26.3  | 39.5   |
| 141       | 74.5  | 55.0  | 82.6   |





#61

4-Nitroaniline

Concen: 29.71 ng

RT: 10.41 min Scan# 772

Delta R.T. -0.05 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

Instrument :

BNA\_F

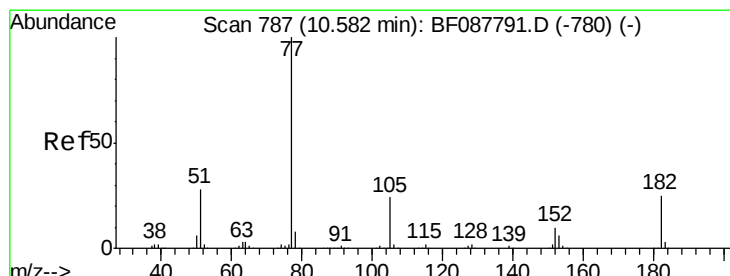
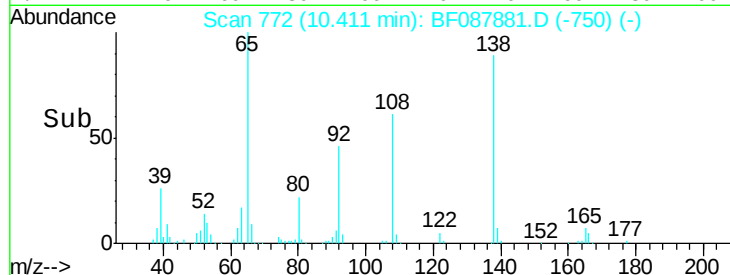
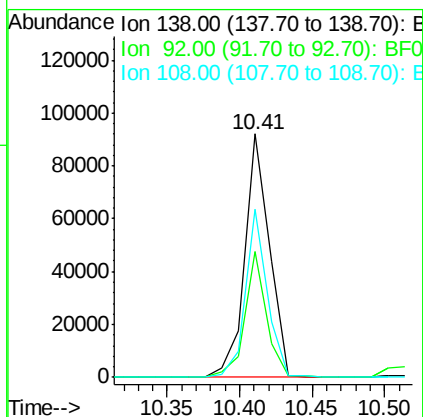
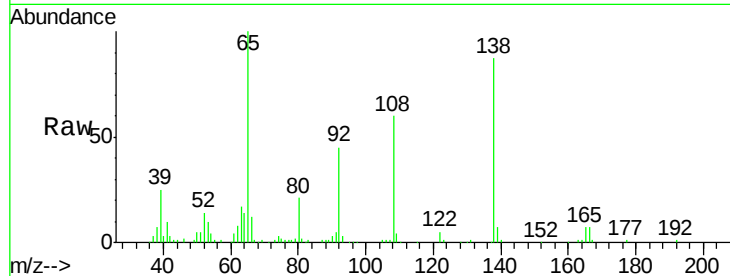
ClientSampleId :

U5-B2(0-10)CMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 138   | Resp: | 108334 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 92        | 51.9  | 27.3  | 67.3   |
| 108       | 69.0  | 46.7  | 86.7   |

Manual Integrations  
APPROVED

SOHIL  
6/13/2016 7:11:08 PM



#62

Azobenzene

Concen: 32.95 ng

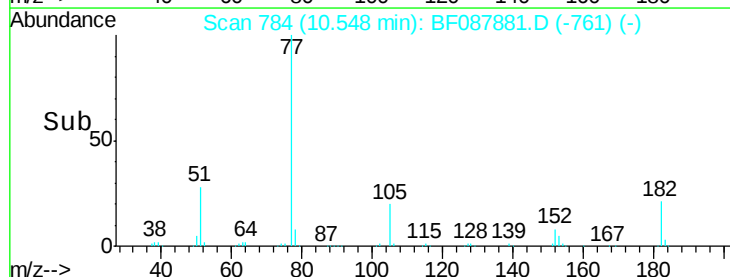
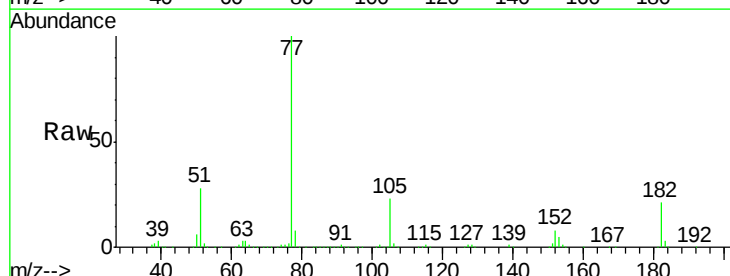
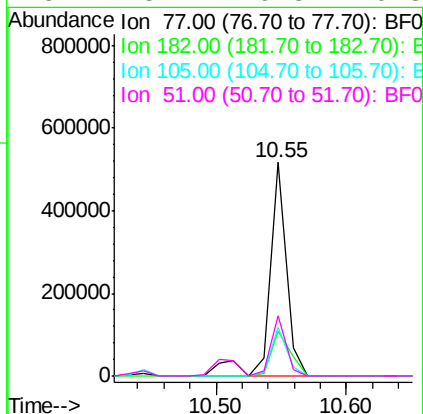
RT: 10.55 min Scan# 784

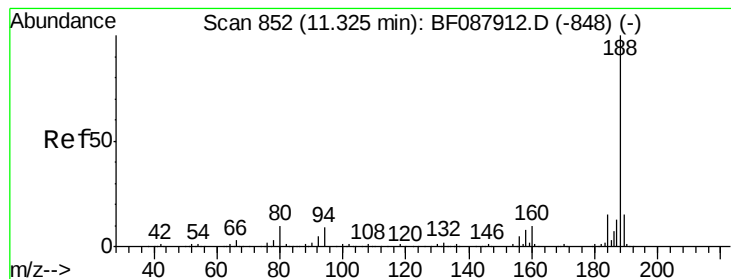
Delta R.T. -0.03 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 77    | Resp: | 479862 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 182       | 21.0  | 4.4   | 44.4   |
| 105       | 23.0  | 3.8   | 43.8   |
| 51        | 28.2  | 9.3   | 49.3   |





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 852

Delta R.T. -0.03 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

Instrument :

BNA\_F

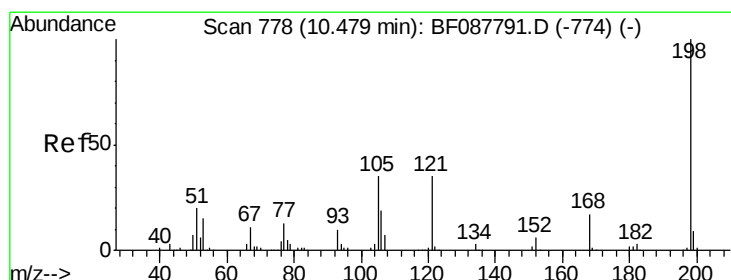
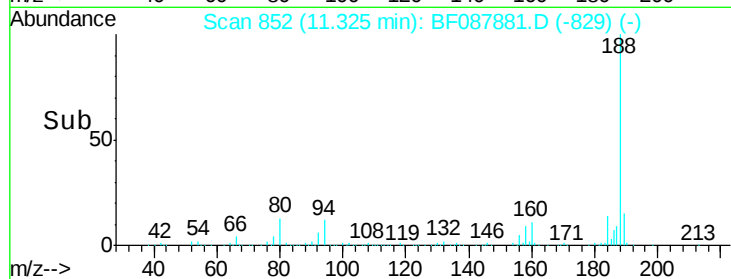
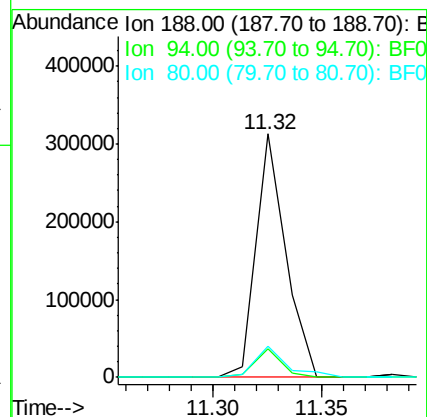
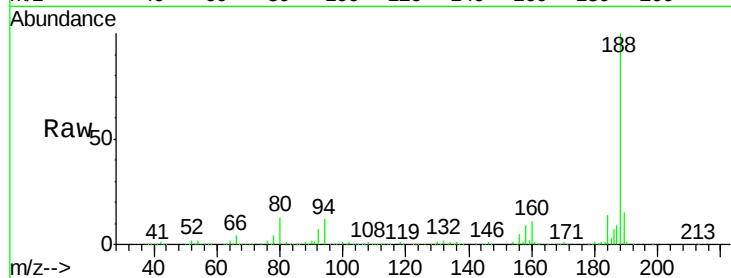
ClientSampleId :

U5-B2(0-10)CMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 188   | Resp: | 297492 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 12.0  | 9.0   | 13.6   |
| 80        | 12.7  | 10.0  | 15.0   |

Manual Integrations  
APPROVED

SOHIL  
6/13/2016 7:11:08 PM



#64

4,6-Dinitro-2-methylphenol

Concen: 17.17 ng

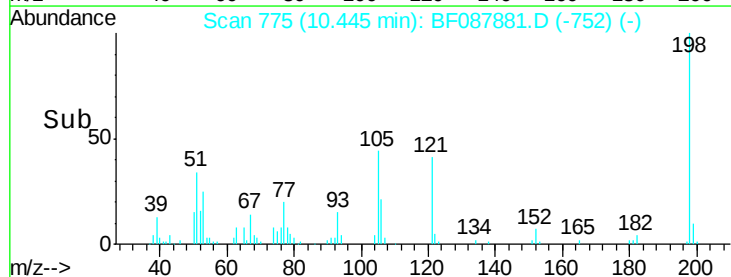
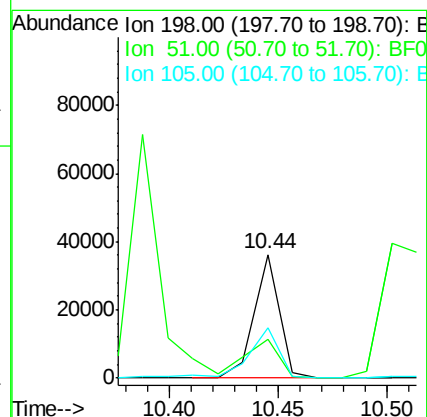
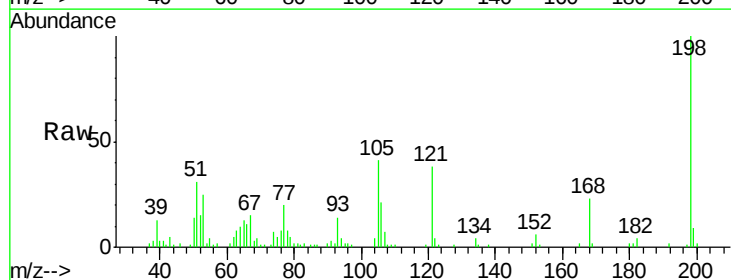
RT: 10.44 min Scan# 775

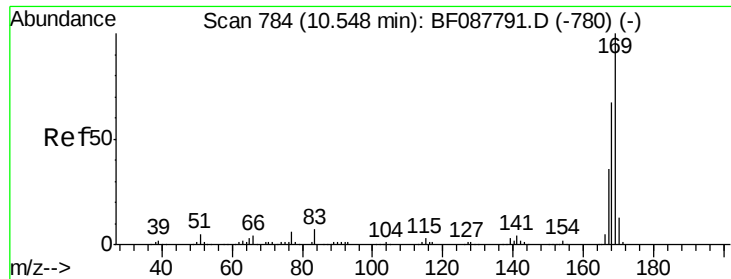
Delta R.T. -0.03 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 198   | Resp: | 29196 |
| Ion Ratio | Lower | Upper |       |
| 198       | 100   |       |       |
| 51        | 31.4  | 39.6  | 79.6# |
| 105       | 40.7  | 36.6  | 76.6  |





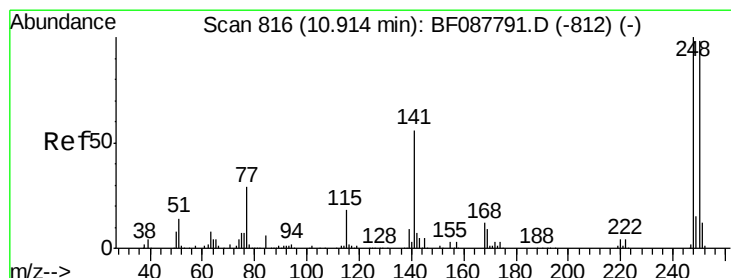
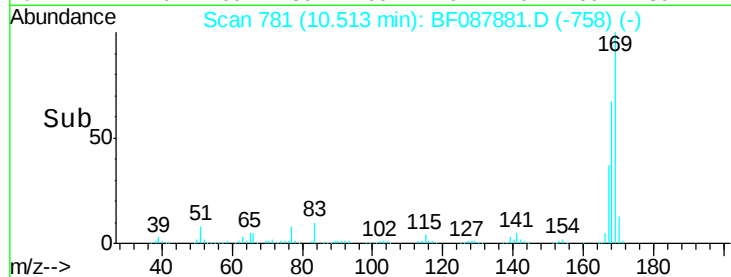
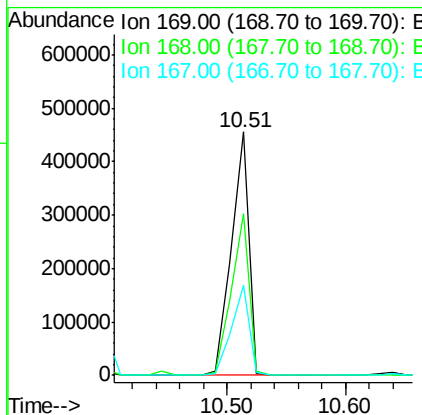
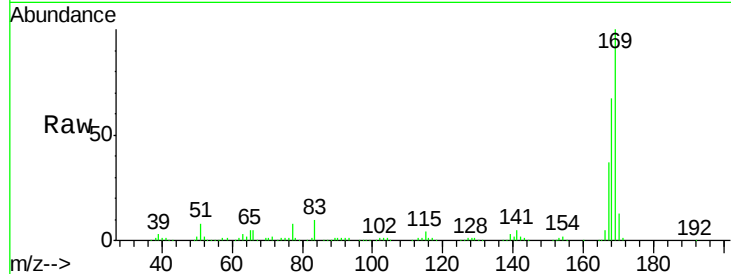
#65  
 n-Nitrosodiphenylamine  
 Concen: 46.93 ng  
 RT: 10.51 min Scan# 781  
 Delta R.T. -0.03 min  
 Lab File: BF087881.D  
 Acq: 10 Jun 2016 18:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 U5-B2(0-10)CMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 463289 |       |       |
| 168     | 66.6  |        | 53.4  | 80.0  |
| 167     | 36.7  |        | 29.4  | 44.0  |

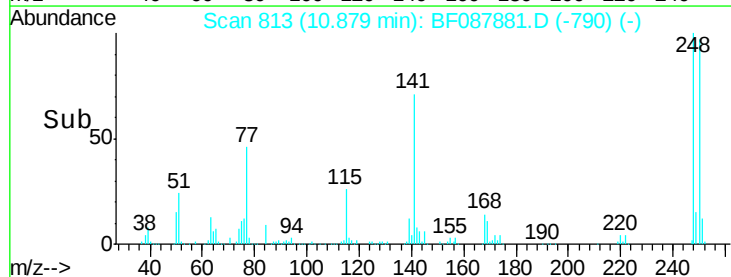
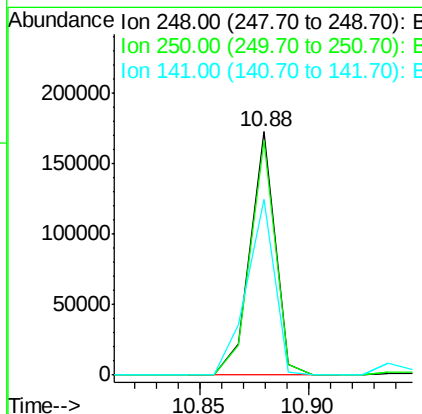
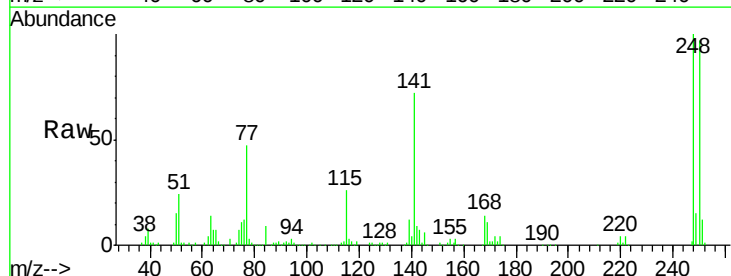
Manual Integrations  
 APPROVED

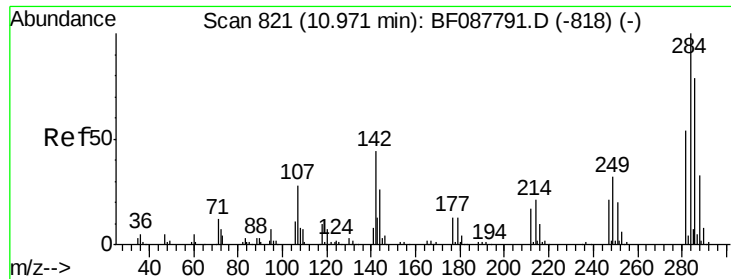
SOHIL  
 6/13/2016 7:11:08 PM



#66  
 4-Bromophenyl-phenylether  
 Concen: 43.55 ng  
 RT: 10.88 min Scan# 813  
 Delta R.T. -0.03 min  
 Lab File: BF087881.D  
 Acq: 10 Jun 2016 18:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 248     | 100   | 138989 |       |       |
| 250     | 96.6  |        | 77.1  | 115.7 |
| 141     | 72.1  |        | 50.6  | 76.0  |





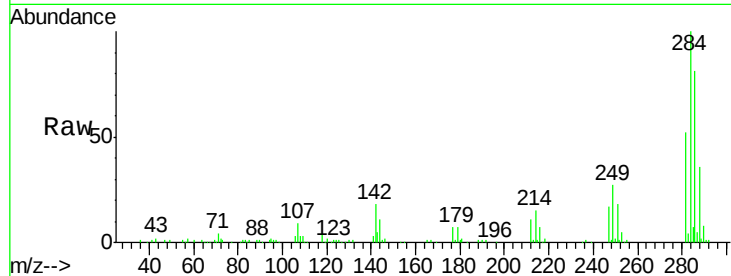
#67  
Hexachlorobenzene  
Concen: 41.69 ng  
RT: 10.95 min Scan# 819  
Delta R.T. -0.02 min  
Lab File: BF087881.D  
Acq: 10 Jun 2016 18:23

Instrument :  
BNA\_F  
ClientSampleId :  
U5-B2(0-10)CMS

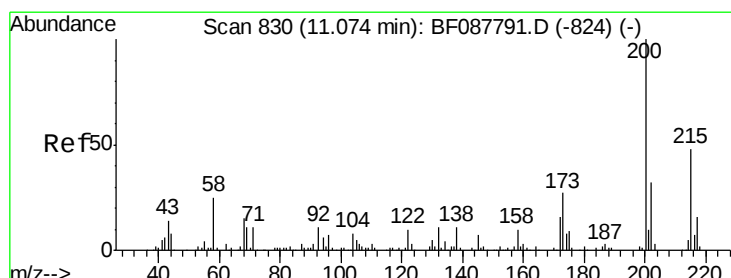
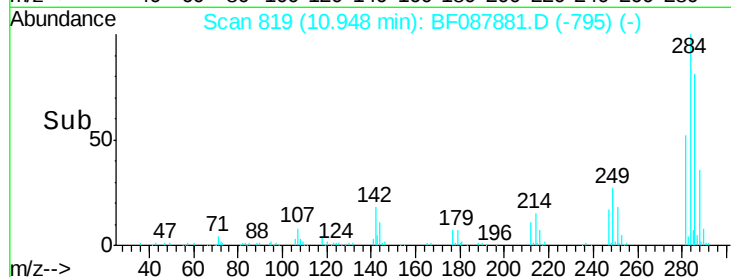
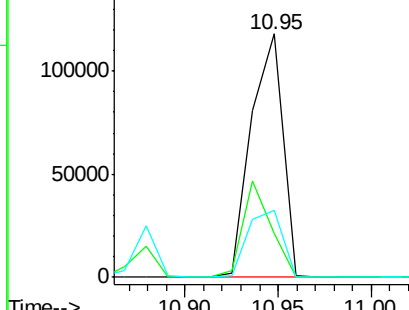
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 284     | 100   | 138241 |       |       |
| 142     | 18.0  | 35.8   | 53.8# |       |
| 249     | 27.4  | 25.8   | 38.6  |       |

Manual Integrations  
APPROVED

SOHIL  
6/13/2016 7:11:08 PM

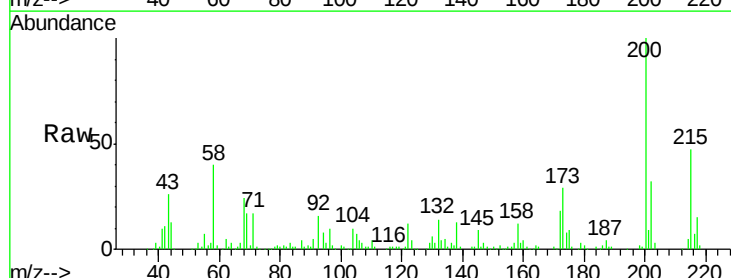


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

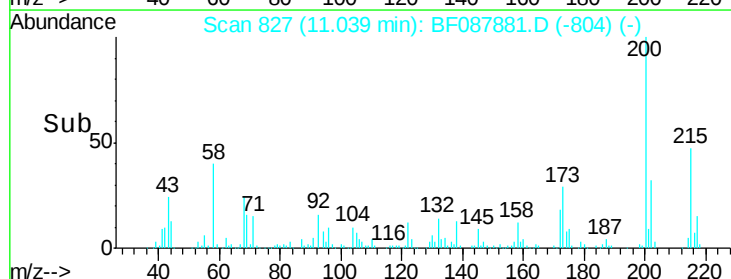
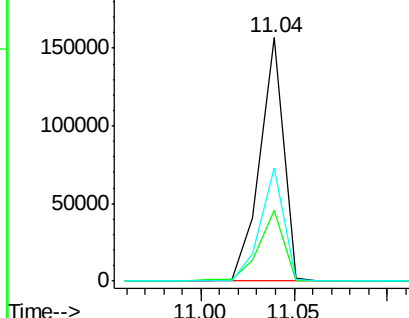


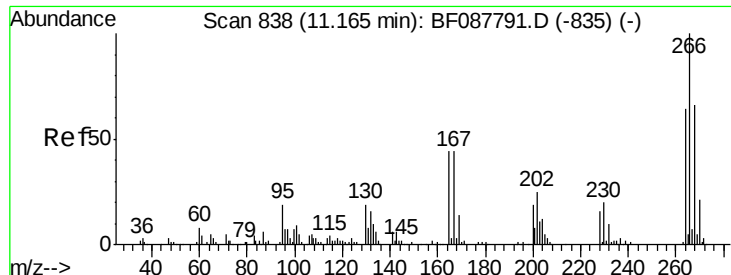
#68  
Atrazine  
Concen: 46.14 ng  
RT: 11.04 min Scan# 827  
Delta R.T. -0.03 min  
Lab File: BF087881.D  
Acq: 10 Jun 2016 18:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 137931 |       |       |
| 173     | 28.9  | 4.0    | 44.0  |       |
| 215     | 46.6  | 29.3   | 69.3  |       |



Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E





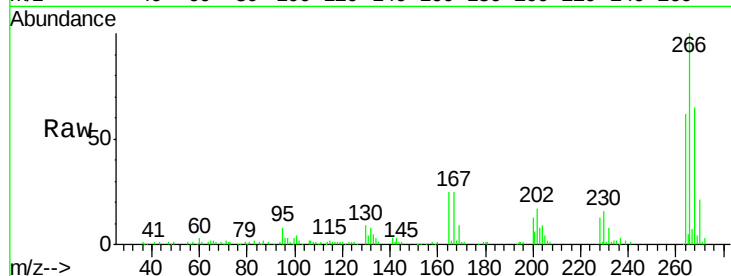
#69  
 Pentachlorophenol  
 Concen: 88.75 ng  
 RT: 11.14 min Scan# 836  
 Delta R.T. -0.02 min  
 Lab File: BF087881.D  
 Acq: 10 Jun 2016 18:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 U5-B2(0-10)CMS

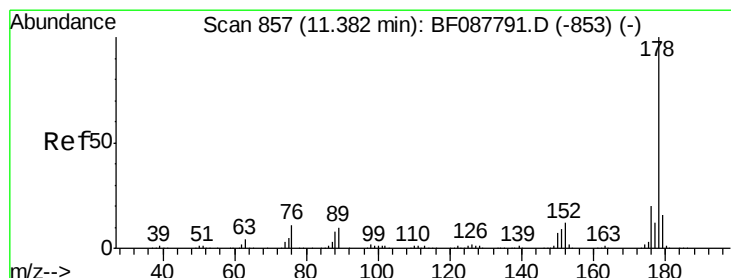
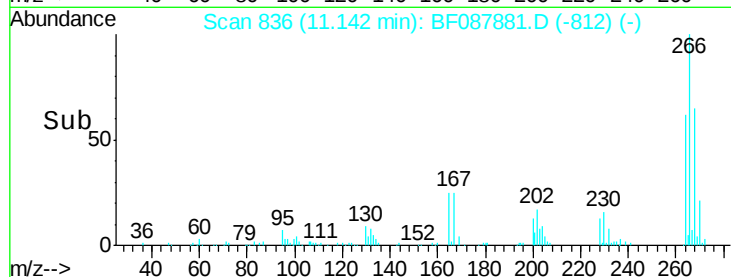
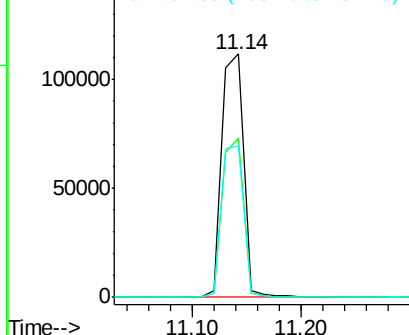
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 155132 |       |       |
| 268     | 65.2  | 52.8   | 79.2  |       |
| 264     | 62.4  | 49.6   | 74.4  |       |

Manual Integrations  
 APPROVED

SOHIL  
 6/13/2016 7:11:08 PM

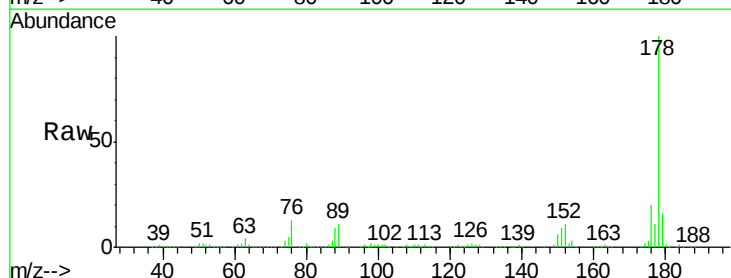


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

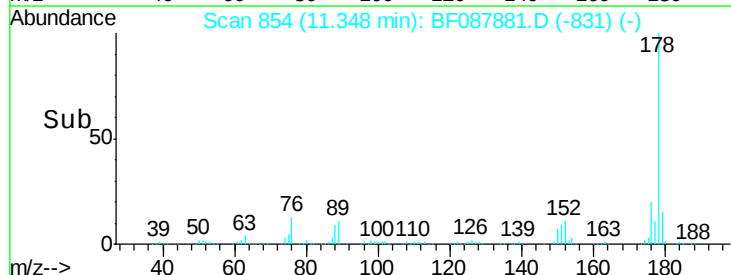
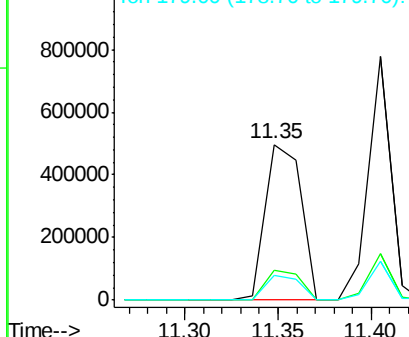


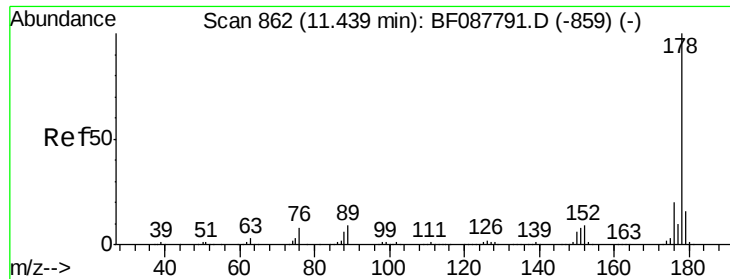
#70  
 Phenanthrene  
 Concen: 42.17 ng  
 RT: 11.35 min Scan# 854  
 Delta R.T. -0.03 min  
 Lab File: BF087881.D  
 Acq: 10 Jun 2016 18:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 658345 |       |       |
| 176     | 19.6  | 15.8   | 23.6  |       |
| 179     | 16.0  | 13.0   | 19.4  |       |



Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E





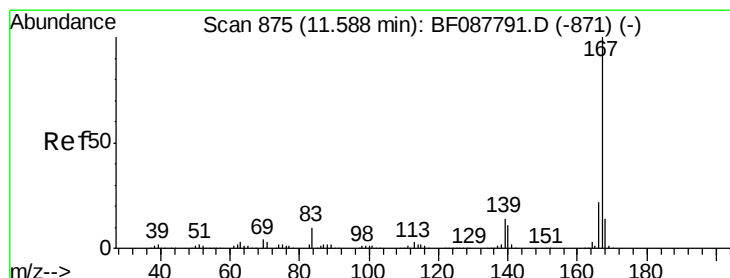
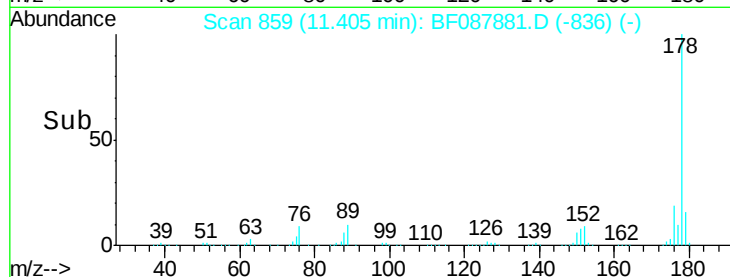
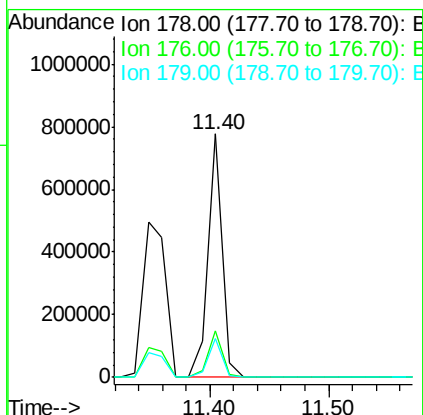
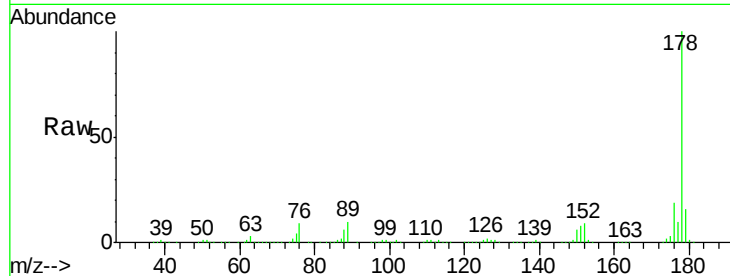
#71  
 Anthracene  
 Concen: 41.08 ng  
 RT: 11.40 min Scan# 859  
 Delta R.T. -0.03 min  
 Lab File: BF087881.D  
 Acq: 10 Jun 2016 18:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 U5-B2(0-10)CMS

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 178     | 100  |       |       |       |
| 176     | 19.2 | 15.6  | 23.4  |       |
| 179     | 16.1 | 12.8  | 19.2  |       |

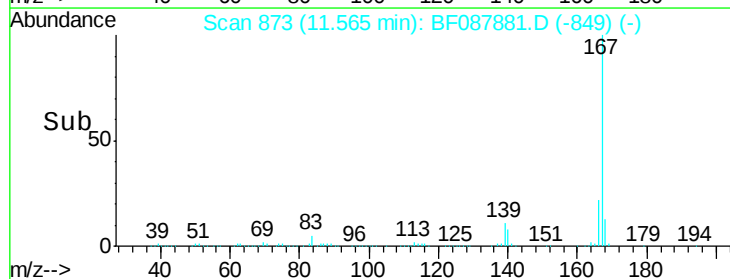
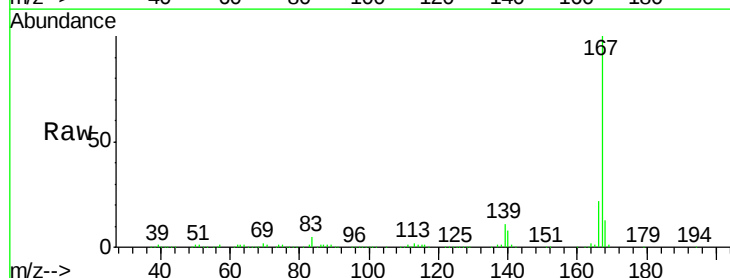
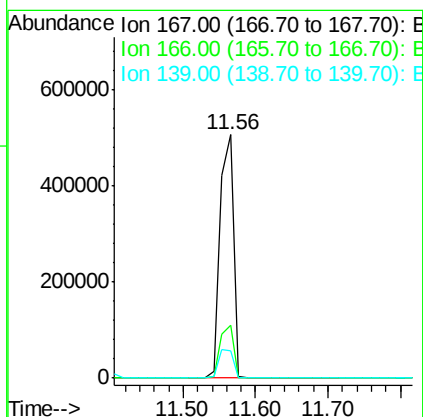
Manual Integrations  
 APPROVED

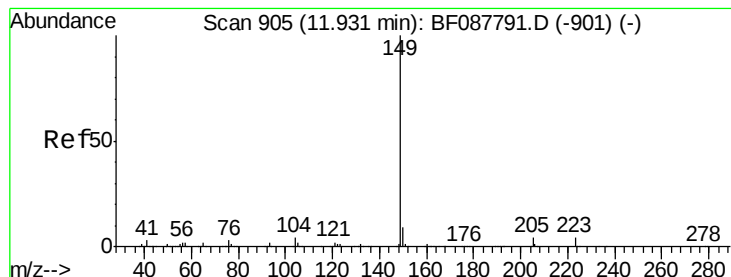
SOHIL  
 6/13/2016 7:11:08 PM



#72  
 Carbazole  
 Concen: 44.25 ng  
 RT: 11.56 min Scan# 873  
 Delta R.T. -0.02 min  
 Lab File: BF087881.D  
 Acq: 10 Jun 2016 18:23

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 167     | 100  |       |       |       |
| 166     | 21.6 | 17.8  | 26.6  |       |
| 139     | 11.1 | 11.2  | 16.8  |       |





#73

Di-n-butylphthalate

Concen: 45.33 ng

RT: 11.90 min Scan# 902

Delta R.T. -0.03 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

Instrument :

BNA\_F

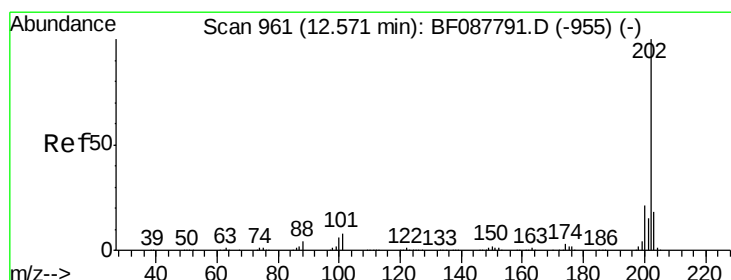
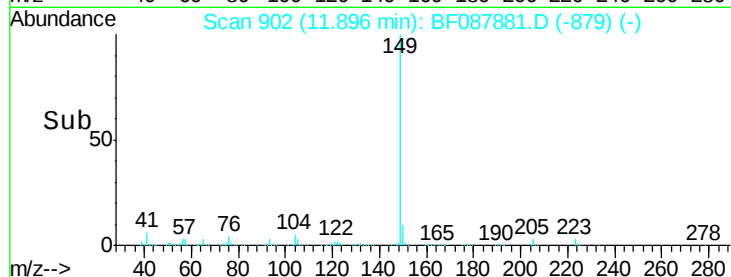
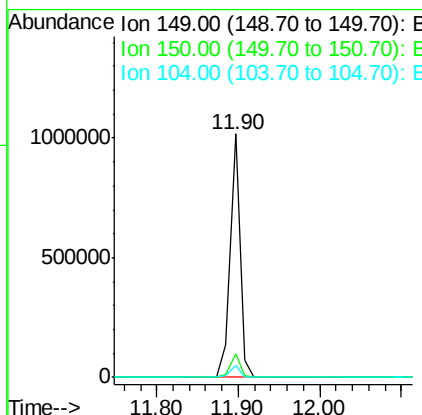
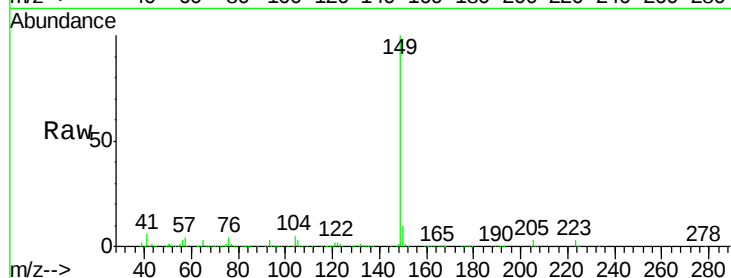
ClientSampleId :

U5-B2(0-10)CMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 845642 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 150       | 9.6   | 7.8   | 11.6   |
| 104       | 4.8   | 4.0   | 6.0    |

Manual Integrations  
APPROVED

SOHIL  
6/13/2016 7:11:08 PM



#74

Fluoranthene

Concen: 39.22 ng

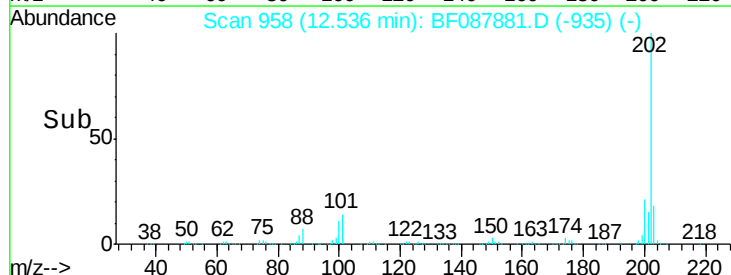
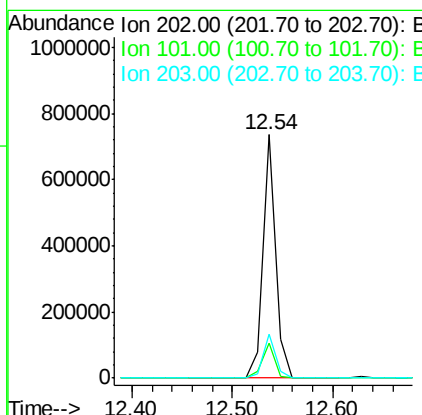
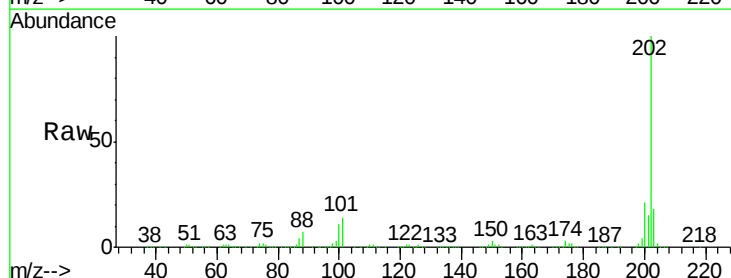
RT: 12.54 min Scan# 958

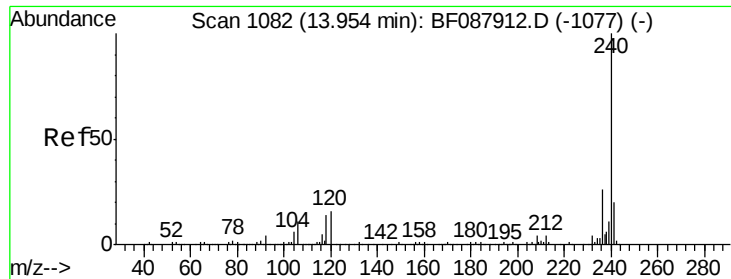
Delta R.T. -0.03 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 646111 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 14.1  | 0.0   | 33.1   |
| 203       | 17.9  | 0.0   | 38.1   |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1082

Delta R.T. -0.03 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

Instrument :

BNA\_F

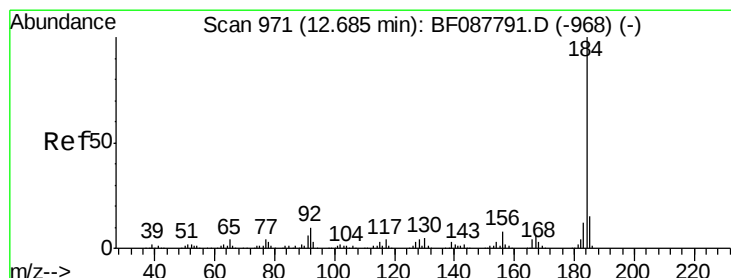
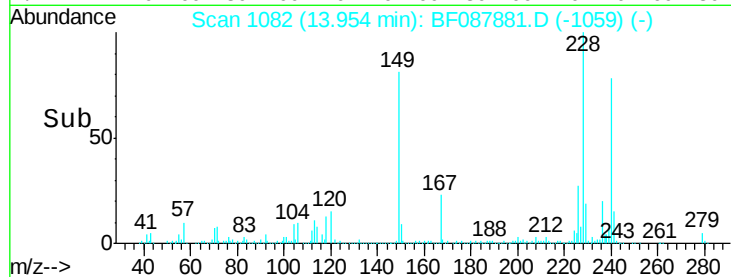
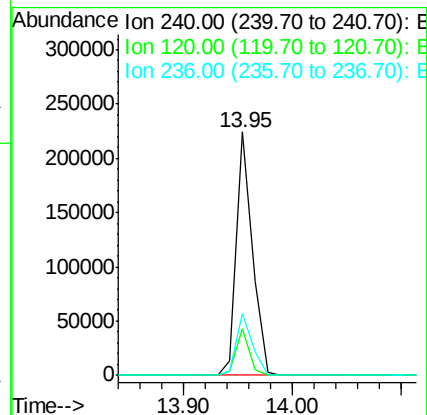
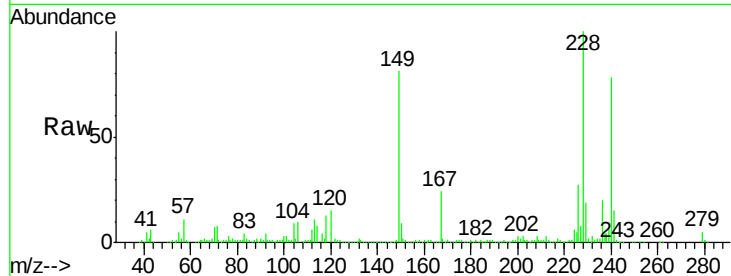
ClientSampleId :

U5-B2(0-10)CMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 225901 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 18.9  | 6.8   | 10.2#  |
| 236       | 25.5  | 20.2  | 30.2   |

Manual Integrations  
APPROVED

SOHIL  
6/13/2016 7:11:08 PM



#76

Benzidine

Concen: 37.48 ng

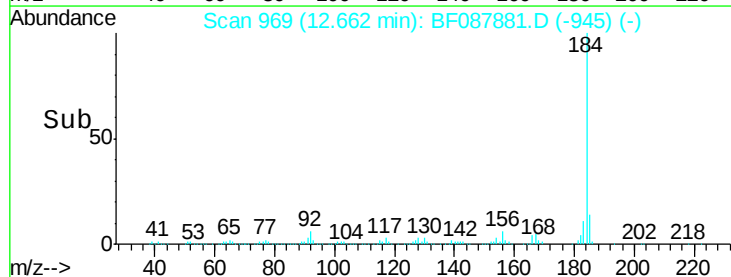
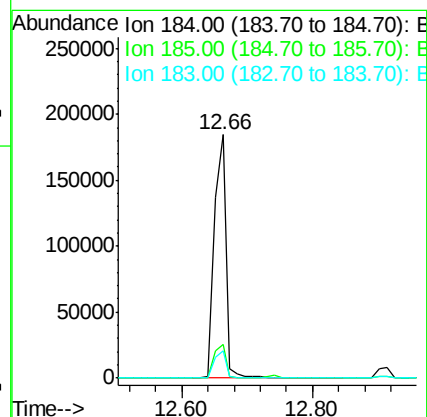
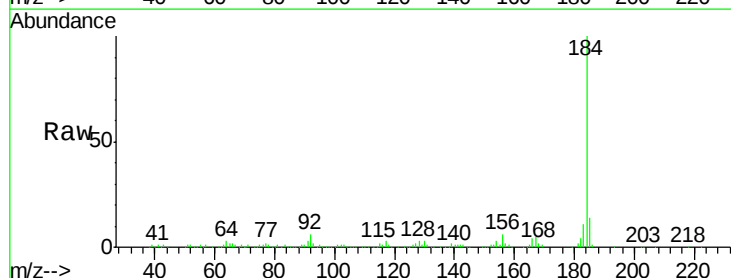
RT: 12.66 min Scan# 969

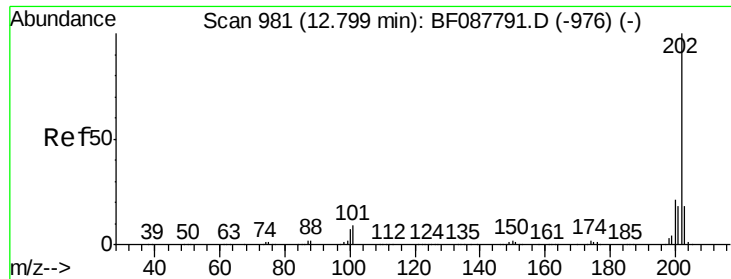
Delta R.T. -0.02 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 184   | Resp: | 234439 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 13.8  | 12.5  | 18.7   |
| 183       | 11.4  | 9.3   | 13.9   |





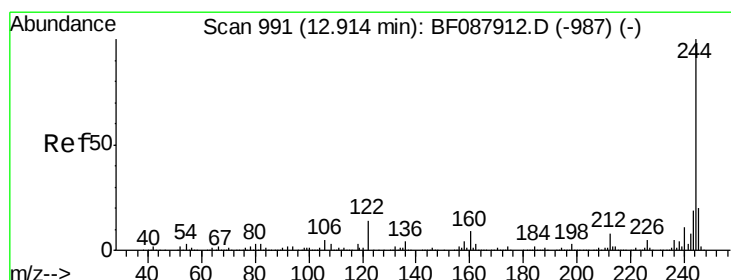
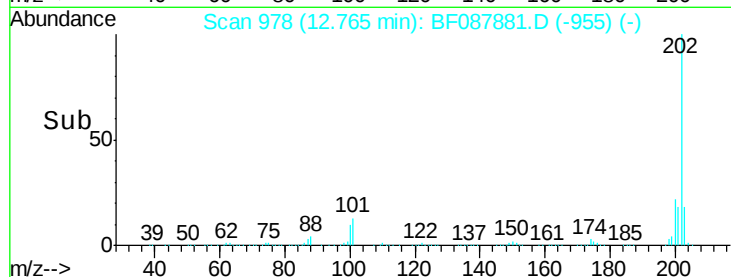
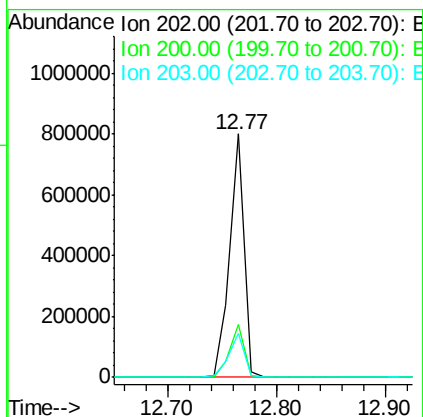
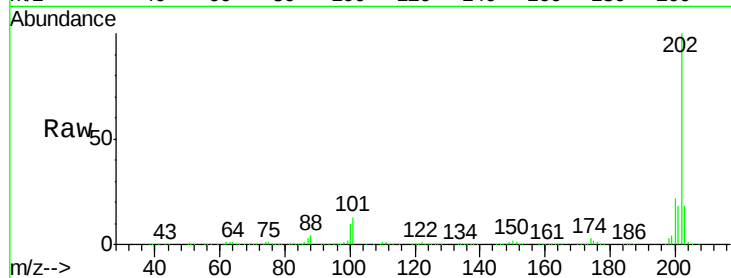
#77  
Pvrene  
Concen: 43.54 ng  
RT: 12.77 min Scan# 978  
Delta R.T. -0.03 min  
Lab File: BF087881.D  
Acq: 10 Jun 2016 18:23

Instrument :  
BNA\_F  
ClientSampleId :  
U5-B2(0-10)CMS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 200     | 21.7  | 17.4       | 26.2  |
| 203     | 17.8  | 14.5       | 21.7  |

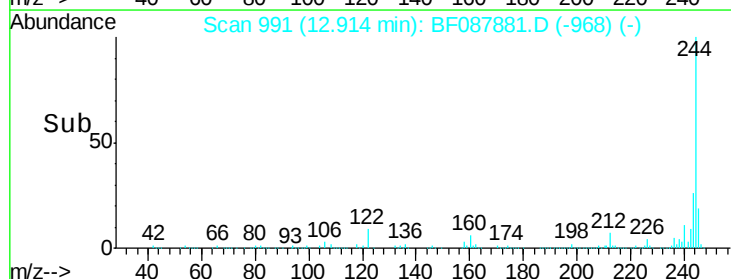
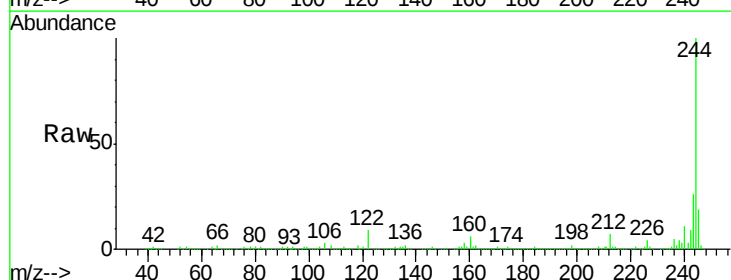
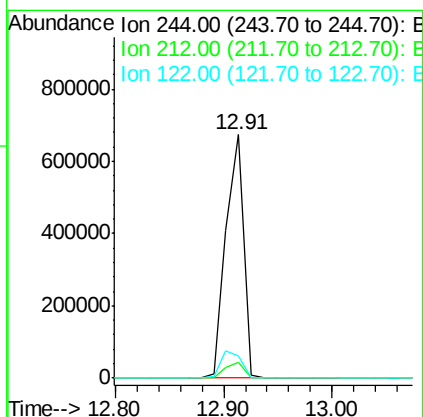
Manual Integrations  
APPROVED

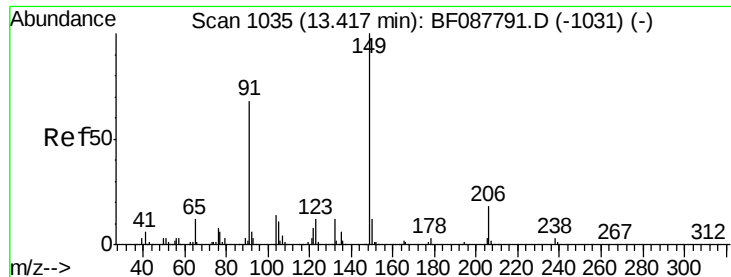
SOHIL  
6/13/2016 7:11:08 PM



#78  
Terphenyl-d14  
Concen: 76.53 ng  
RT: 12.91 min Scan# 991  
Delta R.T. -0.03 min  
Lab File: BF087881.D  
Acq: 10 Jun 2016 18:23

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 244     | 100   |            |       |
| 212     | 6.7   | 6.0        | 9.0   |
| 122     | 9.0   | 11.2       | 16.8# |





#79

Butylbenzylphthalate

Concen: 42.58 ng

RT: 13.38 min Scan# 1032

Delta R.T. -0.03 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

Instrument :

BNA\_F

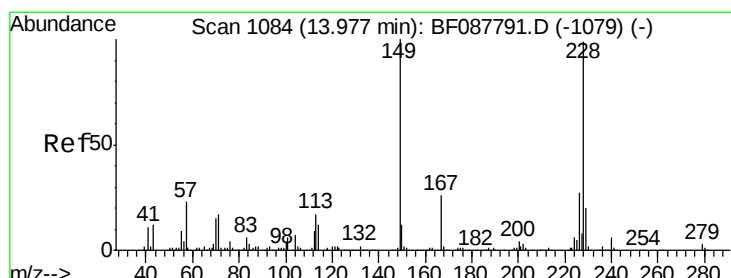
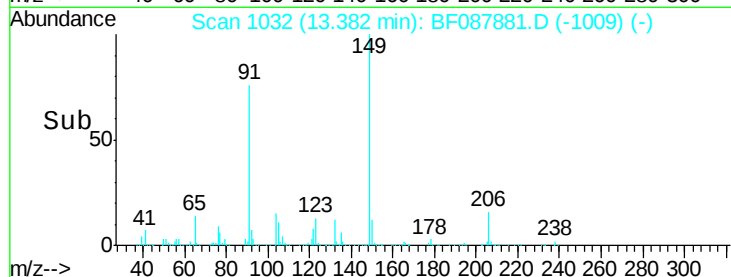
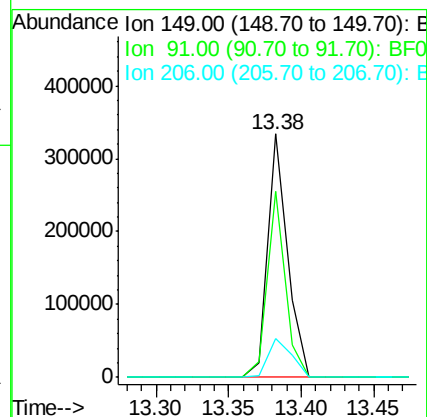
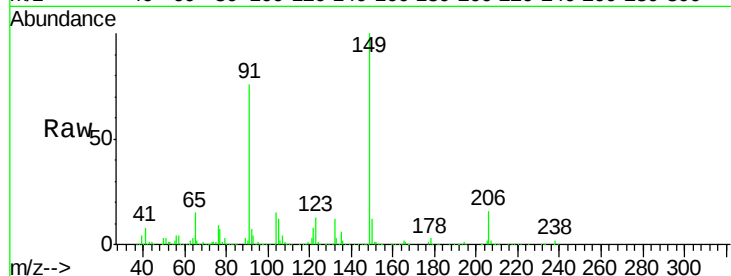
ClientSampleId :

U5-B2(0-10)CMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 315544 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 91        | 76.2  | 48.0  | 72.0#  |
| 206       | 16.2  | 16.0  | 24.0   |

Manual Integrations  
APPROVED

SOHIL  
6/13/2016 7:11:08 PM



#80

Benzo(a)anthracene

Concen: 48.16 ng

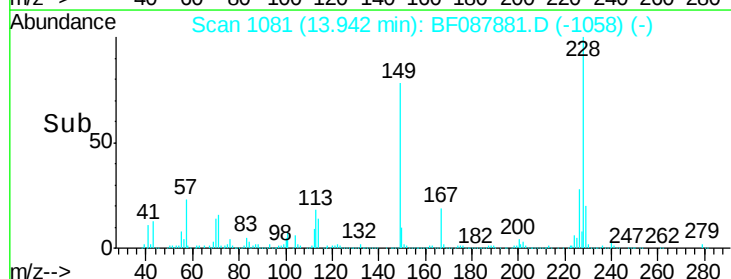
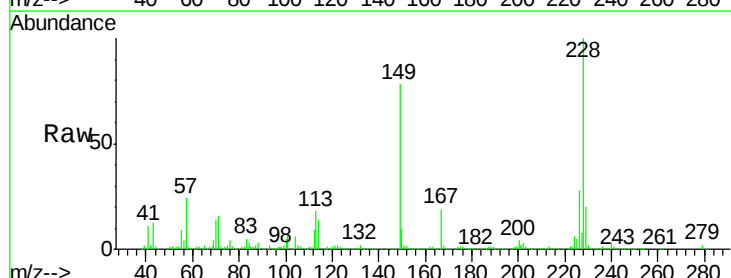
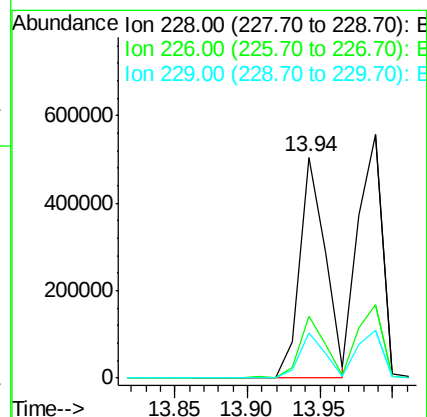
RT: 13.94 min Scan# 1081

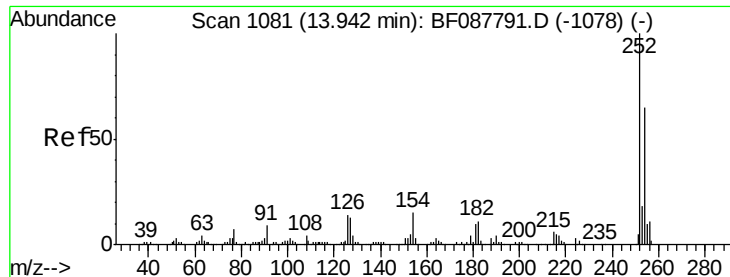
Delta R.T. -0.03 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 620019 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 28.1  | 22.3  | 33.5   |
| 229       | 20.2  | 16.0  | 24.0   |





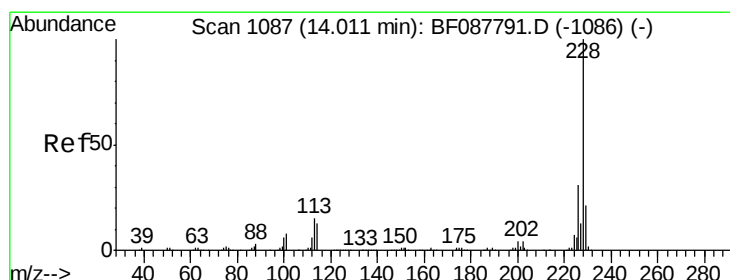
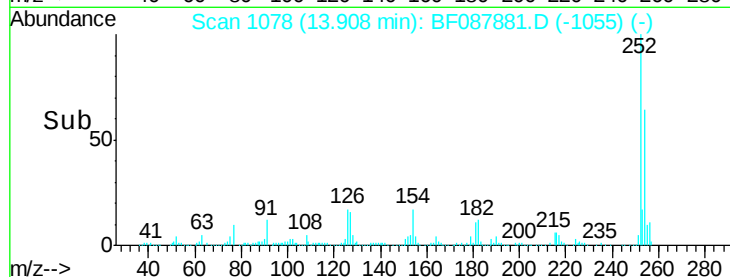
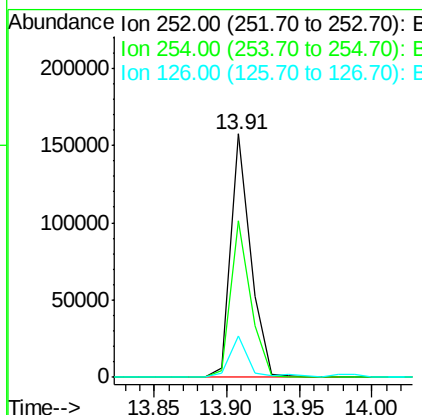
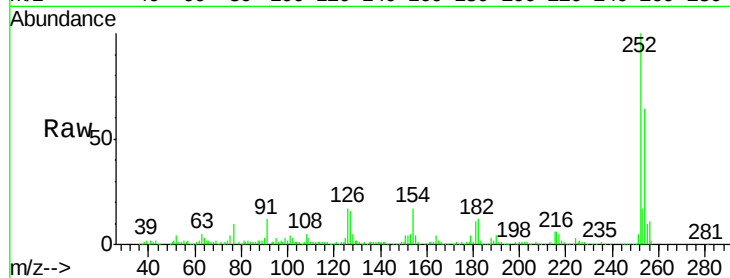
#81  
 3,3'-Dichlorobenzidine  
 Concen: 43.55 ng  
 RT: 13.91 min Scan# 1078  
 Delta R.T. -0.03 min  
 Lab File: BF087881.D  
 Acq: 10 Jun 2016 18:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 U5-B2(0-10)CMS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 254     | 64.1  | 52.6       | 78.8  |
| 126     | 16.8  | 6.2        | 9.2   |

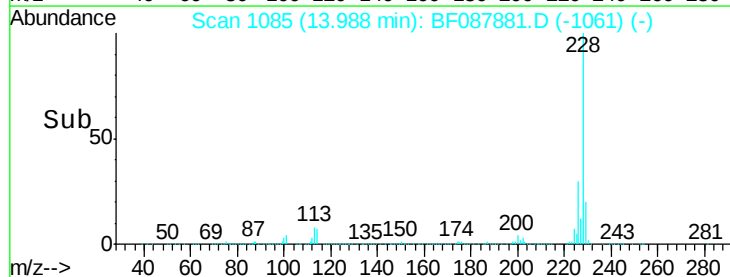
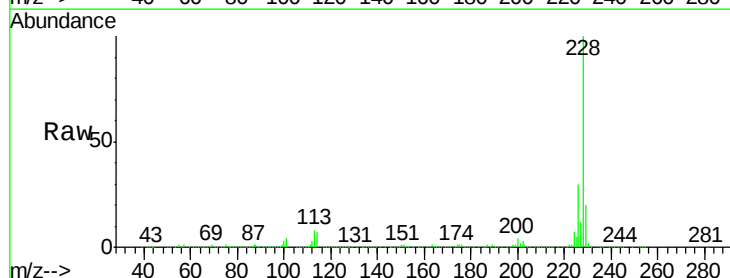
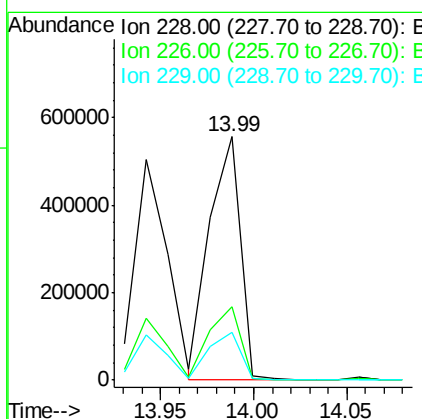
Manual Integrations  
 APPROVED

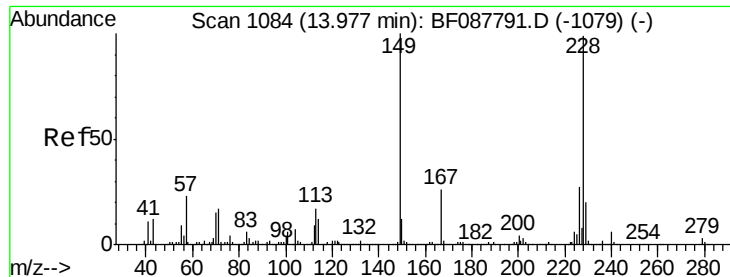
SOHIL  
 6/13/2016 7:11:08 PM



#82  
 Chrysene  
 Concen: 53.21 ng  
 RT: 13.99 min Scan# 1085  
 Delta R.T. -0.02 min  
 Lab File: BF087881.D  
 Acq: 10 Jun 2016 18:23

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 226     | 30.4  | 25.4       | 38.2  |
| 229     | 19.7  | 16.3       | 24.5  |





#83

Bis(2-ethylhexyl)phthalate

Concen: 51.89 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.03 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

Instrument :

BNA\_F

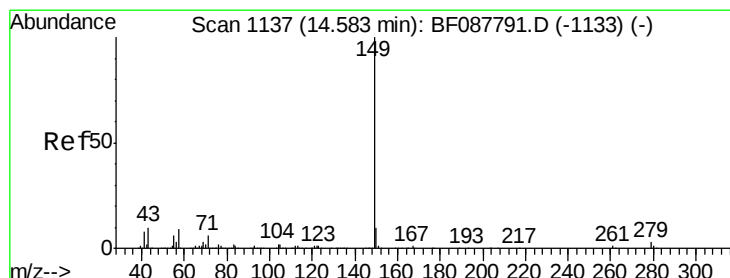
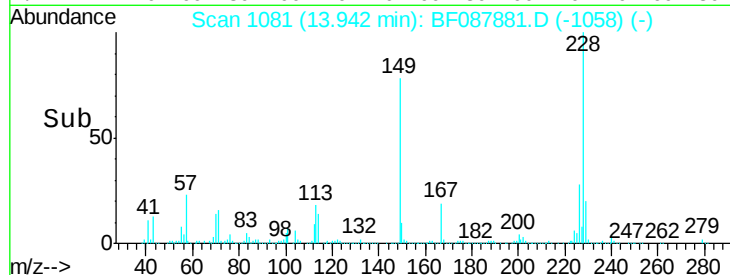
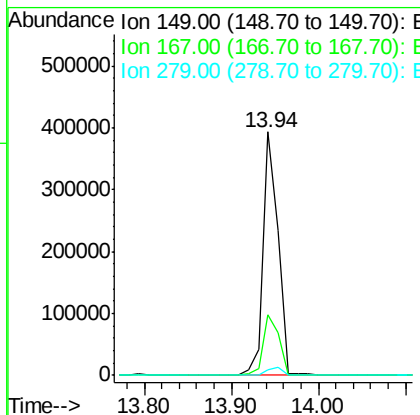
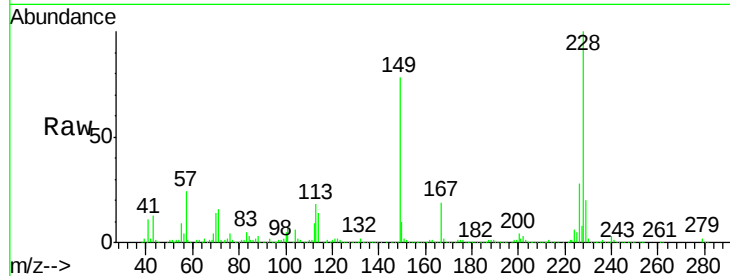
ClientSampleId :

U5-B2(0-10)CMS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 149  | Resp: | 468173 |
| Ion Ratio |      | Lower | Upper  |
| 149       | 100  |       |        |
| 167       | 24.8 | 20.5  | 30.7   |
| 279       | 2.0  | 2.0   | 3.0    |

Manual Integrations  
APPROVED

SOHIL  
6/13/2016 7:11:08 PM



#84

Di-n-octyl phthalate

Concen: 58.90 ng

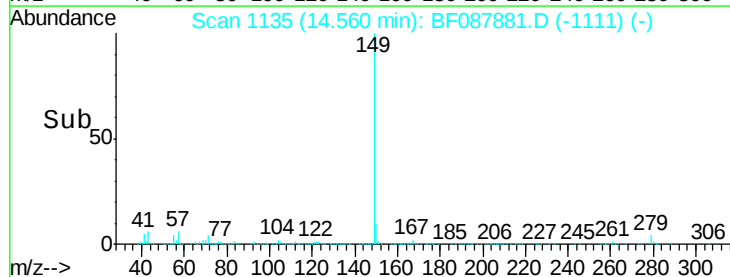
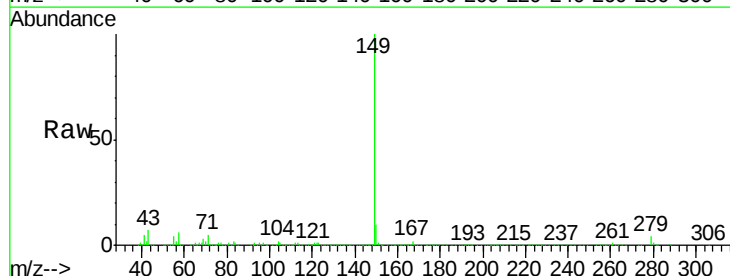
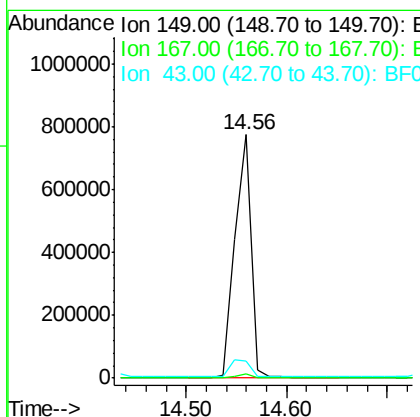
RT: 14.56 min Scan# 1135

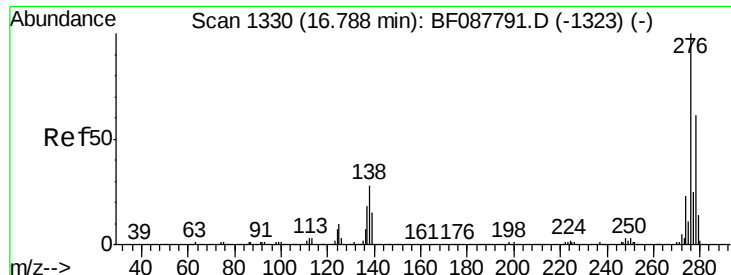
Delta R.T. -0.02 min

Lab File: BF087881.D

Acq: 10 Jun 2016 18:23

|           |     |       |        |
|-----------|-----|-------|--------|
| Tgt Ion:  | 149 | Resp: | 863431 |
| Ion Ratio |     | Lower | Upper  |
| 149       | 100 |       |        |
| 167       | 1.6 | 0.0   | 0.0#   |
| 43        | 8.9 | 0.0   | 0.0#   |





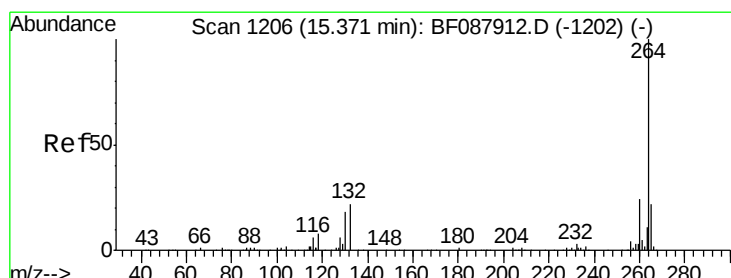
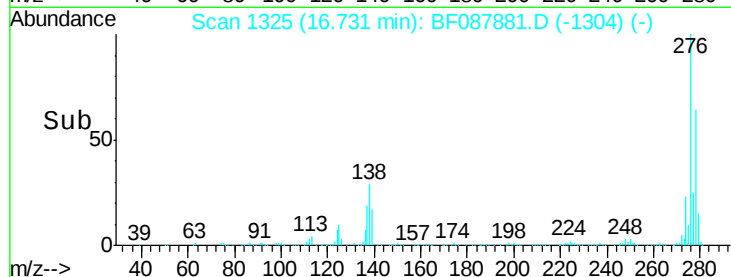
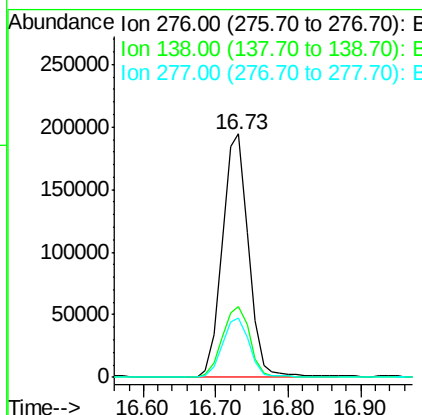
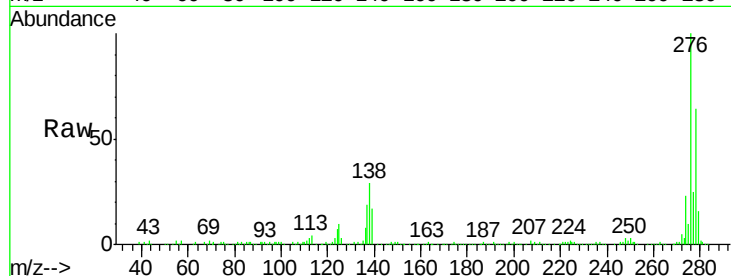
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 43.29 ng  
RT: 16.73 min Scan# 1325  
Delta R.T. -0.06 min  
Lab File: BF087881.D  
Acq: 10 Jun 2016 18:23

Instrument :  
BNA\_F  
ClientSampleId :  
U5-B2(0-10)CMS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 276     | 100   |            |       |
| 138     | 30.3  | 0.0        | 0.0#  |
| 277     | 25.9  | 0.0        | 0.0#  |

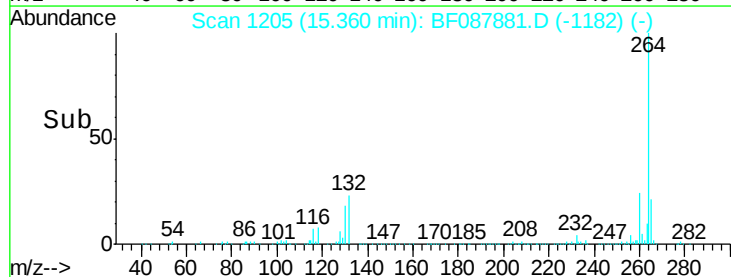
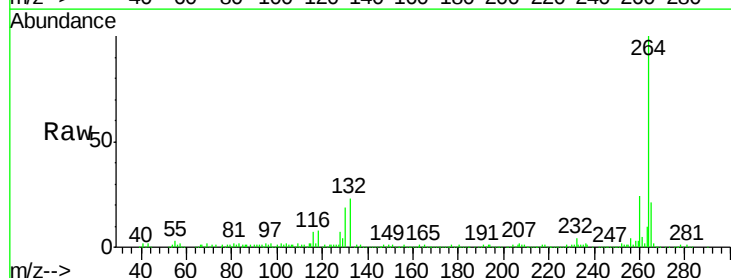
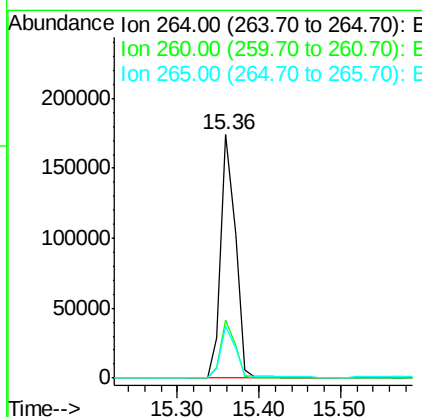
Manual Integrations  
APPROVED

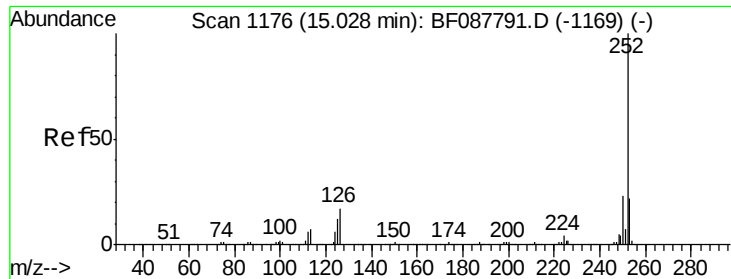
SOHIL  
6/13/2016 7:11:08 PM



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.36 min Scan# 1205  
Delta R.T. -0.03 min  
Lab File: BF087881.D  
Acq: 10 Jun 2016 18:23

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 264     | 100   |            |       |
| 260     | 23.7  | 19.2       | 28.8  |
| 265     | 21.3  | 16.9       | 25.3  |





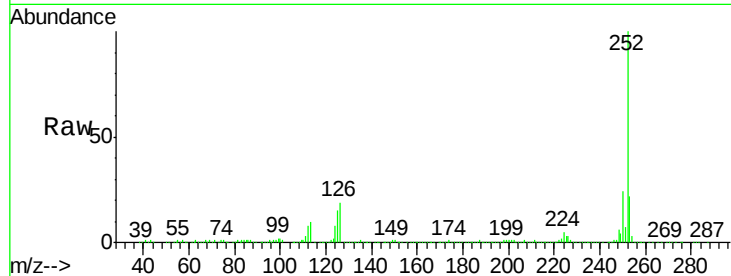
#87  
Benzo(b)fluoranthene  
Concen: 46.55 ng m  
RT: 14.96 min Scan# 1170  
Delta R.T. -0.03 min  
Lab File: BF087881.D  
Acq: 10 Jun 2016 18:23

Instrument :  
BNA\_F  
ClientSampleId :  
U5-B2(0-10)CMS

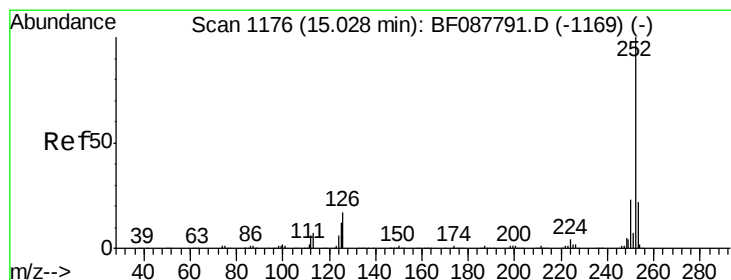
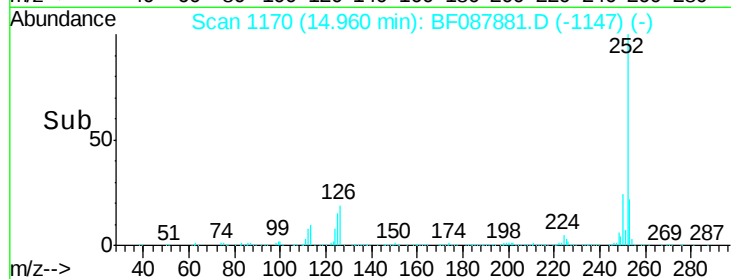
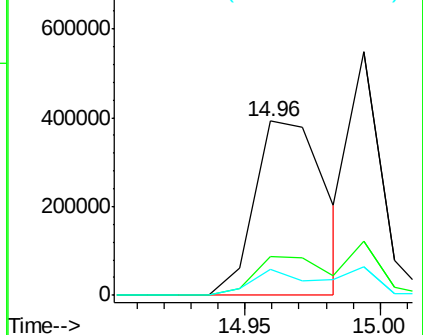
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.4  | 17.4  | 26.2  |
| 125     | 15.2  | 7.1   | 10.7  |

Manual Integrations  
APPROVED

SOHIL  
6/13/2016 7:11:08 PM



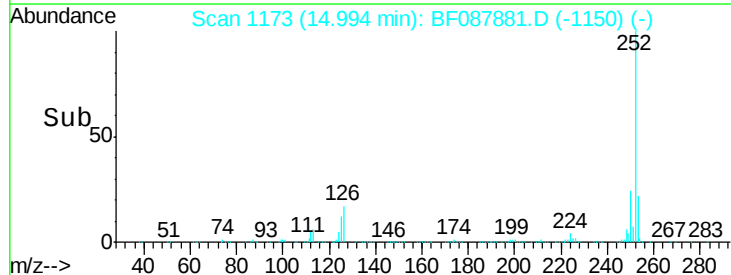
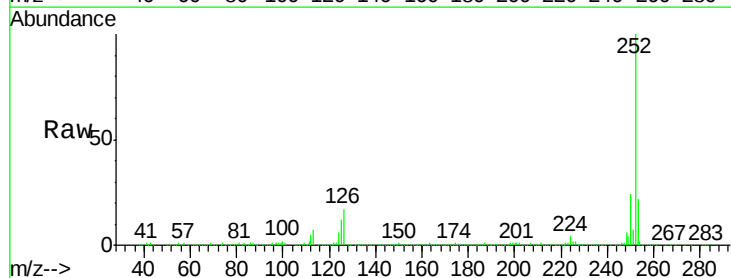
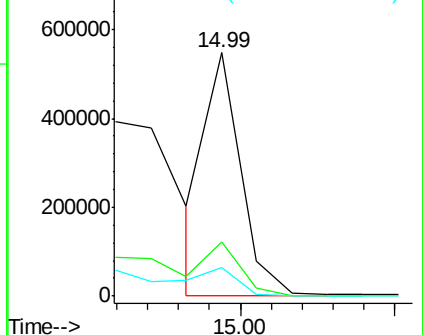
Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

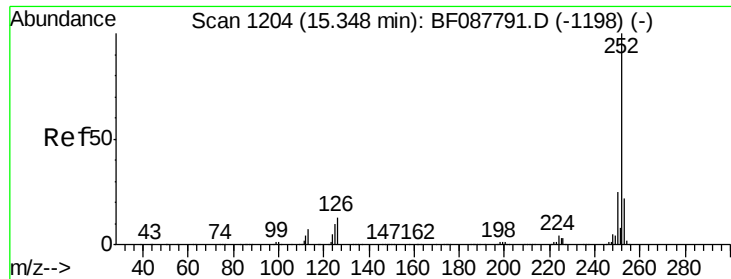


#88  
Benzo(k)fluoranthene  
Concen: 38.04 ng m  
RT: 14.99 min Scan# 1173  
Delta R.T. -0.03 min  
Lab File: BF087881.D  
Acq: 10 Jun 2016 18:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.3  | 18.0  | 27.0  |
| 125     | 11.9  | 11.2  | 16.8  |

Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





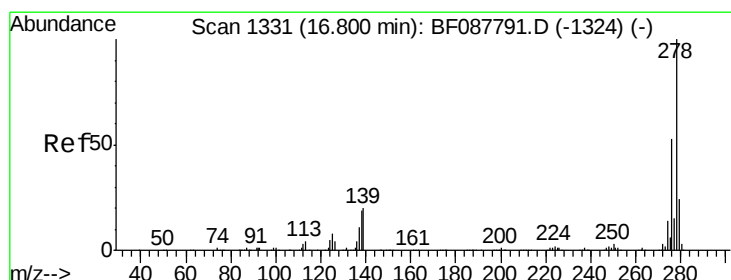
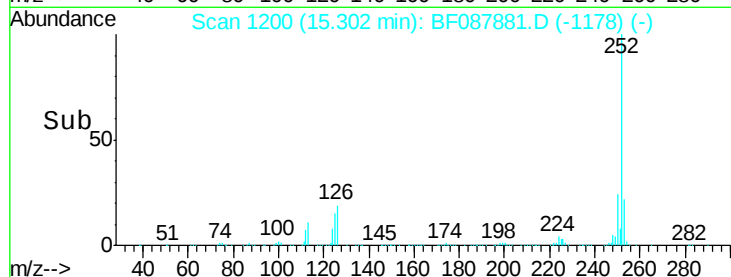
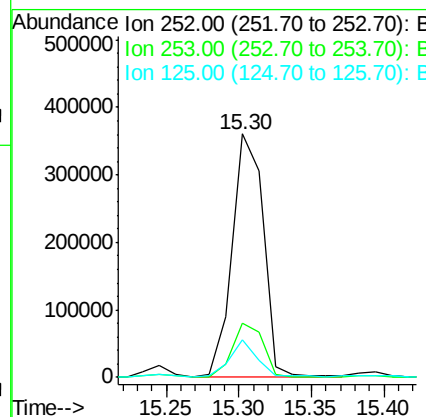
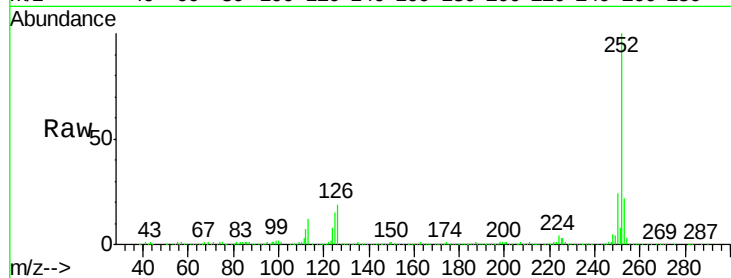
#89  
Benzo(a)pyrene  
Concen: 43.59 ng  
RT: 15.30 min Scan# 1200  
Delta R.T. -0.05 min  
Lab File: BF087881.D  
Acq: 10 Jun 2016 18:23

Instrument :  
BNA\_F  
ClientSampleId :  
U5-B2(0-10)CMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.3  | 17.9  | 26.9  |
| 125     | 15.4  | 12.5  | 18.7  |

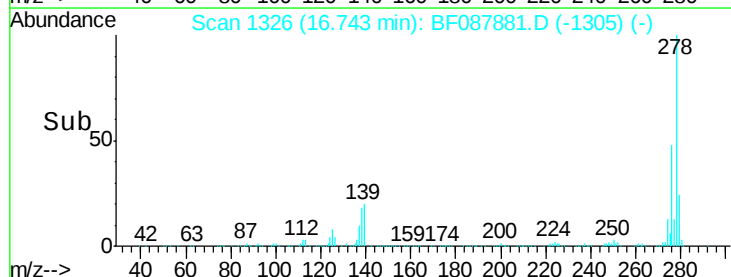
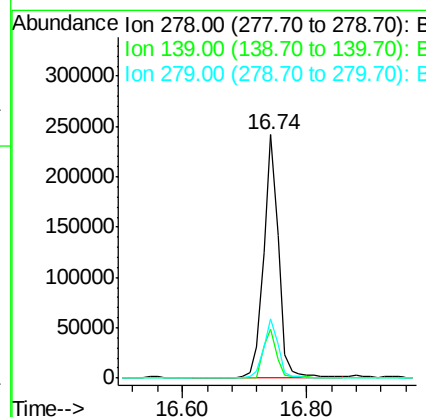
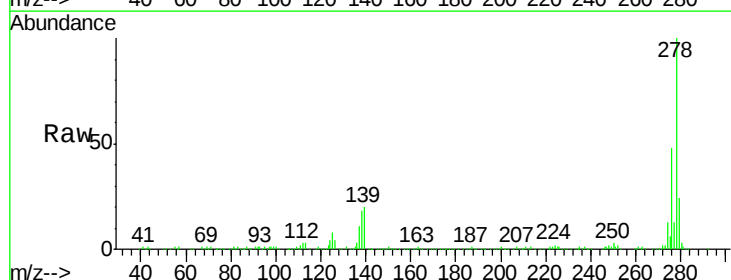
Manual Integrations  
APPROVED

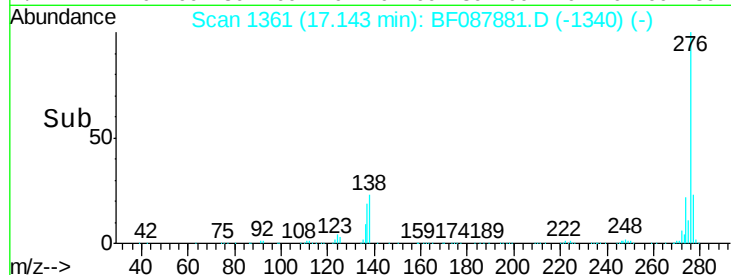
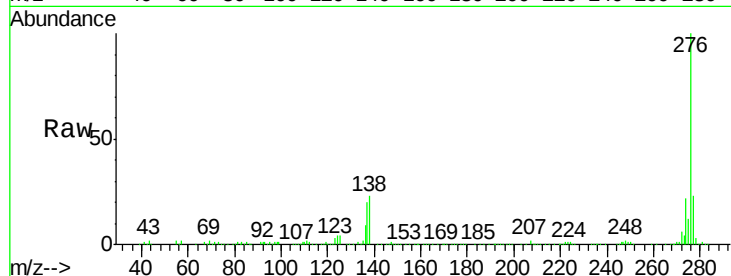
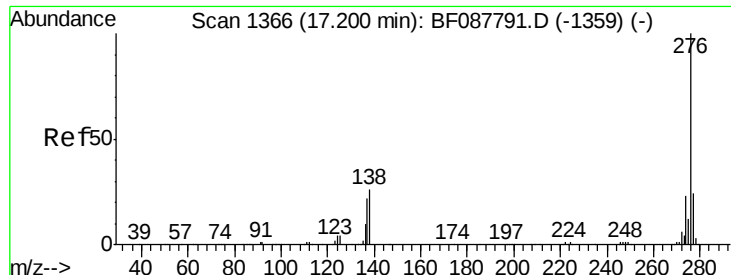
SOHIL  
6/13/2016 7:11:08 PM



#90  
Dibenzo(a,h)anthracene  
Concen: 35.58 ng  
RT: 16.74 min Scan# 1326  
Delta R.T. -0.06 min  
Lab File: BF087881.D  
Acq: 10 Jun 2016 18:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 19.9  | 15.7  | 23.5  |
| 279     | 24.2  | 19.4  | 29.2  |





#91  
 Benzo(a,h,i)perylene  
 Concen: 33.84 ng  
 RT: 17.14 min Scan# 1361  
 Delta R.T. -0.06 min  
 Lab File: BF087881.D  
 Acq: 10 Jun 2016 18:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 U5-B2(0-10)CMS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 276     | 100   |            |       |
| 277     | 23.3  | 18.9       | 28.3  |
| 138     | 22.8  | 21.4       | 32.2  |

Manual Integrations  
 APPROVED

SOHIL  
 6/13/2016 7:11:08 PM

